

भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

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No. 10] NEW DELHI, SATURDAY, MARCH 7, 1992 (PHALGUNA 17, 1913)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 7th March, 1992

ADDRESS AND JURISDICTION OF OFFICES OF
THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial Jurisdiction on a zonal basis as shown below :—

Patent Office Branch, Todi Estates, III Floor, Lower Parel (West), Bombay-400 013.

The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE"

Patent Office Branch, Unit No. 401 to 405, III Floor, Municipal Market Building, Saraswati Marg, Kirti Bagh, New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC"

Patent Office Branch, 61, Wallajah Road, Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office), "NIZAM PALACE" 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 7 मार्च 1992

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा दम्बड, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
भीमरा तल, लोकर परेल (पश्चिम),
दम्बड-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोवा, दामन तथा
दिव एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, सीमरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,

61, बालाजाह रोड,

मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु, राज्य
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप
मिनिक्काय तथा एमिनिट्रिवि द्वीप

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय)
मिजाम पैलेस, द्वितीय बृहत्तम कार्यालय,
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र

तार पता—“पेटेंटम”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपे-
क्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रत्येक पेटेंट
कार्यालय के केवल उपर्युक्त कार्यालय में ही प्राप्त किए जाएंगे।

शब्द :—शब्दों की अदायगी या तो नकद की जाएगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा
ड्राफ्ट आदेश या जहां उपयुक्त कार्यालय अवस्थित
है; उस स्थान को अनुसूचित बैंक से नियंत्रक को भुग-
तान योग्य बैंक ड्राफ्ट अथवा चेक द्वारा की जा सकती है ।

CORRIGENDUM

In the Gazette of India, Part III, Sec. 2 dated 15-12-90,
Page 1407, Col. 1, for accepted complete Specification
No. 167740, read the name of the applicants as Council of
Scientific & Industrial Research instead of Council of Scienti-
fic & Reesarch.

CORRIGENDUM

For accepted Complete Specification No. 168506 (Appli-
cation No. 60/Cal/1988) notified in the Gazette of India
Part III, Sec. 2 dated 13-04-91, Page 435, Col. 01, read the
name of the applicants as ICI India LIMITED formerly
known as IEL LIMITED instead of IEL LIMITED.

THE PATENT OFFICE

Calcutta, the 7th March 1992

APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD
CALCUTTA-20

The dates shown in the crescent brackets are the date
claimed Under Section 135, of the Patents Act 1970.

The 27th January, 1992

44/Cal/92. M/s Teza India Limited. Method of preparing
liner materials for use in resisting abrasion and/
or Impact Wear and Improve Flow Properties

45/Cal/92. Hoechst Aktiengesellschaft. Process for the pre-
paration of 3-Aminopropyl 2-Sulfatoethyl Sul-
fate.

46/Cal/92. BTR PLC. Valve disc and drive shaft assem-
bly.

47/Cal/92. Aura Systems Inc. Electromagnetic Actuator.

48/Cal/92. Mitutoyo Corporation. Optical Encoder. Divi-
sional out of No. 118/Cal/1989 Ante date to
08th February, 1989.

49/Cal/92. Mitutoyo Corporation. Optical Encoder. Divi-
sional out of No. 118/Cal/1989 Ante date to
08th February 1989.

50/Cal/92. Chittaranjan Mukherjee. Electric Generator
utilising magnetic energy alone without consum-
ing any fuel.

The 28th January, 1992

51/Cal/92. Haripada Dolai. Improved Garment Designer.

52/Cal/92. Hitachi Ltd. Switch Board Assembly.

53/Cal/92. Deutsche Thomson-Brandt GMBH. Process for
the shortening of the access time.

54/Cal/92. Franz Plasser Bahnbaumaschinen Industriege-
sellschaft M.B.H. Cleaning Machine.

55/Cal/92. Dr Chandan Mukherjee. An electro-VU-
Stethoscope.

The 29th January, 1992

56/Cal/92. Degussa AG. and Henkel KGAA. Catalyst for
hardening fatty acids and a process for its pre-
paration.

57/Cal/92. Hitachi Cables, Ltd. and Neste OY Chemicals. Non-Halogenated fire retardant resin composition and wires and cables coated therewith.

The 30th January 1992

58/Cal/92. Interactive systems, incorporated. Interactive Video method and apparatus. Divisional out of No. 877/Cal/88 Ante dated to 24th October 1988.

59/Cal/92. Interactive systems, Inc. Interactive Video method and apparatus. Divisional out of No. 877/Cal/88 Ante dated to 24th October, 1988.

60/Cal/92. Interactive systems, Inc. Interactive Video method and apparatus. Divisional out of No. 877/Cal/88 Ante dated to 24th October 1988.

61/Cal/92. Interactive systems, Inc. Interactive Video method and apparatus. Divisional out of No. 877/Cal/88 Ante dated to 24th October 1988.

62/Cal/92. Interactive Systems, Inc. Interactive Video method and apparatus. Divisional out of No. 877/Cal/88 Ante dated to 24th October 1988.

63/Cal/92. Interactive Systems, Inc. Interactive Video method and apparatus. Divisional out of No. 877/Cal/88 Ante dated to 24th October 1988.

64/Cal/92. Interactive Systems Inc. Interactive Video method and apparatus. Divisional out of No. 877/Cal/88 Ante dated to 24th October 1988.

65/Cal/92. Interactive Systems Inc. Interactive Video method and apparatus. Divisional out of No. 877/Cal/88 Ante dated to 24th October 1988.

66/Cal/92. Interactive Systems Inc. Interactive Video method and apparatus. Divisional out of No. 877/Cal/88 Ante dated to 24th October 1988.

67/Cal/92. Chien-Chia Lin. Structure of Trunk.

68/Cal/92. Chang Shih Chang. A process to recover salt from waste water.

The 31st January, 1992

69/Cal/92. RNS Schrupftechnik-garnituren GMBH. Longitudinal water-tight cable sleeve.

70/Cal/92. Degussa Aktiengesellschaft. Aqueous Stable suspension of water-insoluble silicates capable of binding calcium ions and their use for the production of washing and cleaning agents.

ALTERATION OF DATE UNDER SECTION 16

170267

(68/Mas/90) Ante date to July 11, 1986.

170283

(742/Mas/89) Ante date to January 07, 1988.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतर-राष्ट्रीय वर्गीकरण के अनुरूप है।”

नीचे सूचीगत विनिर्देशों की सीमित संख्या मुद्रित प्रतियां, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है।

(अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथा प्रवर्णित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियां की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के कारणों को जोड़कर उसे 4 से गुणा करके; (वैयक्तिक प्रत्येक पृष्ठ का कारणों का जोड़कर उसे 4 से गुणा करके; (वैयक्तिक प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिचय किया जा सकता है।

CI. 125B₃, 132C

170251

16 Claims

Int. Cl. G 05 D 11/00.

METHODS AND APPARATUS FOR MIXING FIRST AND SECOND FLUIDS.

Applicant : LUMINIS PTY.- LTD., 233 NORTH TERRACE, ADELAIDE, 5000, SOUTH AUSTRALIA, AUSTRALIA.

Inventors : (1) RUSSELL ESTCOURT LUXTON
(2) GRAHAM JERROLD NATHAN

Application No. 306/Cal/1988 filed 13 April, 1988. Convention date 16-4-87 No. PI 1476/87 and 31-8-97 No. PI 4068/87.

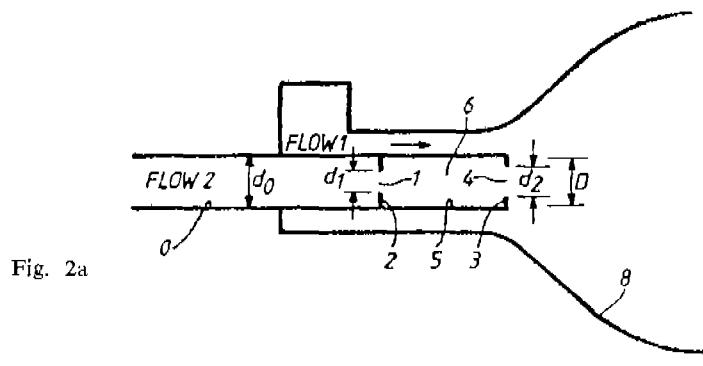
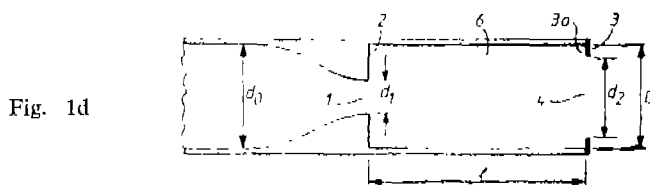
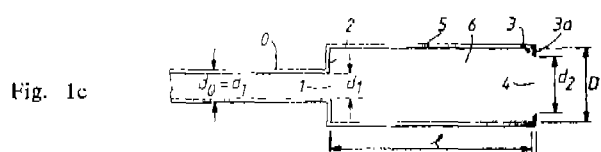
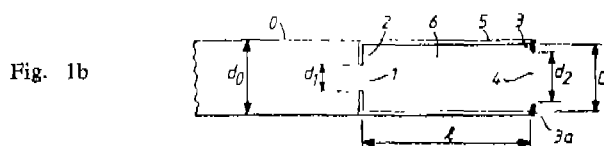
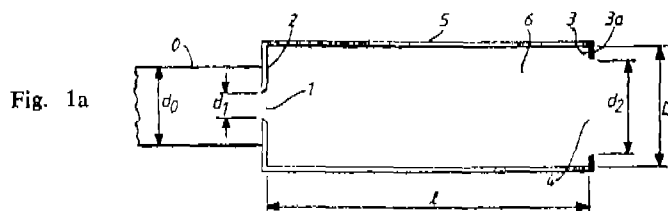
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

A method of mixing first and second fluids, comprising :

admitting the first fluid in a chamber as a flow which is separated or caused to separate from wall structure of said chamber, and deflected or caused to deflect through an acute angle;

allowing the separated flow to reattach itself asymmetrically to the chamber wall structure upstream of an outlet of the chamber disposed generally opposite the admitted flow;

Inducing a flow of the second fluid from the exterior of the chamber through said outlet and/or a reverse flow of the first fluid at said reattachment to swirl in the chamber between said flow separation and said reattachment and thereby induce precession of said separated/reattached flow, which precession enhances mixing of this flow with the second fluid to the exterior of the chamber.



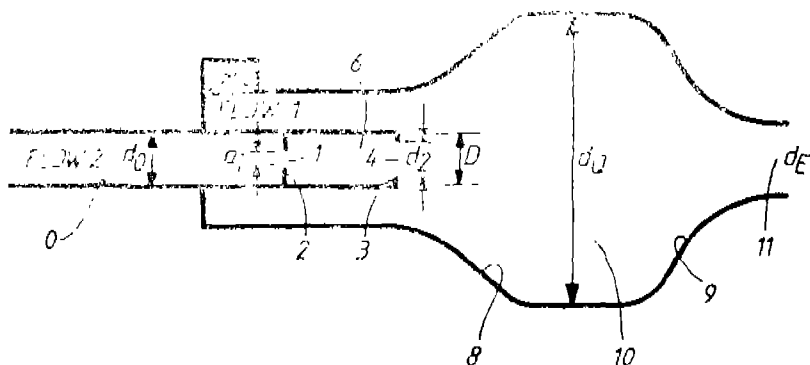


Fig. 2b

Compl. Specn. 40 pages.

Drgs. 07 sheets.

Cl. 56-A, G

170252

Int. Cl. B 01 D 3/26.

VAPOUR/LIQUID CONTACT COLUMN STRUCTURE.

Applicant : UNI-FRAC, INC., P. O. Box 9099, Salt Lake City, Utah 84109, U.S.A.

Inventors : (1) TRENT JOE PARKER

(2) BYRON MAURICE PARKER

Application No. 356/Cal/1988 filed 02 May, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A vapour liquid contact column having a plurality of mutually placed and vertically aligned similar sections, each said section comprising :

a vertical conduit having upper and lower ends;

a corresponding vapour and liquid horizontal contact device secured to and extending transversely across said conduit;

said contact device having an inlet end and an exit end disposed opposite to one another;

said conduit an inlet throat opening at and in fluid communication with said inlet end and a gases' admittance and liquid discharge opening proximate and above said contact device exit end;

a weir disposed at said exit end of said contact device beneath said gases' admittance and liquid discharge opening;

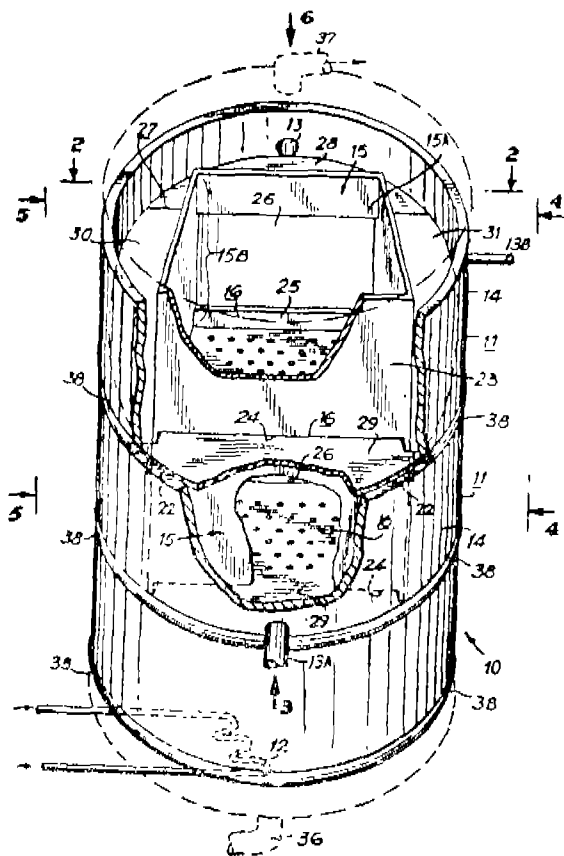
a downcomer structure secured to and outside of said conduit and having a lower end in fluid communication with said throat, an upper end disposed above said discharged opening, and a fluid path structure joining said lower and upper ends of said downcomer structure; and

a well enclosure disposed about said conduit and configured to form with said downcomer structure, said conduit and said contact device, a counter current reflux liquid and gases 360 progressively redirected flow path;

said upper end of said downcomer structure being arranged to receive a liquid discharge from an exit end of a contact device and another of said similar sections next above said section in said vertical stack for 360 progressively redirected flow of said liquid discharge to the inlet end of said device;

said contact device of another said similar sections having an inlet and vertically aligned with the inlet end of said sections;

whereby liquid flow from said inlet and to said exit end of said contact device is unidirectional relative to liquid flow across said contact device of another of said similar sections next above said section in said vertical stack.



Compl. Specn. 18 pages.

Drgs. 03 sheets.

Cl. 40-F

170253

Int. Cl. B 01 J 2/00.

A PROCESS FOR OBTAINING METHACROLEIN AND METHACRYLIC ACID FROM A REACTION PRODUCT GAS OBTAINED BY KNOWN CATALYTICAL OXIDATION OF ISOBUTYLENE, TERTIARY BUTANOL, METHACROLEIN OR ISOBUTYL ALDEHYDE.

Applicant : MITSUI TOTOTSU CHEMICALS, INCORPORATED, 2-5, KASUMIGASAKI, 3-CHOME, CHIYODAKU, TOKYO, JAPAN AND KURARY COMPANY LTD., 1621 SAKAZU, KURASHIKI-SHI, OKAYAMA KEN, JAPAN.

Inventors : (1) MORIMASA KURAGANO

(2) KOZO IWASKI

(3) TOKESHI ISOBE

(4) ISAO FUKADA

(5) MINORU KOSHIBE

(6) YOSHIHIRO SEZAKI

(7) HIROZO SEGAWA

(8) KATSUJI YOGUCHI

Application No. 517/Cal/1988 filed 24 JUN 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A process for obtaining methacrolein and methacrylic acid from a reaction product gas obtained by known catalytical oxidation of isobutylene, tertiary butanol, methacrolein or isobutyl aldehyde with a molecular oxygen bearing gas in the presence of steam, which comprises quenching the said reaction product gas by :

- (a) passing the said reaction product gas containing methacrolein and methacrylic acid, with a condensate of the reaction product gas as a cooling medium in a quench column to obtain a quenched reaction product gas;
- (b) passing a heat insulating gas steam therein around said quenched reaction product gas stream which forms a core through a double wall pipe, said reaction product gas being passed through the inner passage while said insulating gas steam is passed through the surrounding annular passage of said double walled pipe;
- (c) releasing and allowing the said heat insulated reaction product gas obtained in step (b) above to impinge upon the surface of a condensate remaining in a bottom of the said quench column;
- (d) simultaneously spraying a portion of the condensate, which has been cooled in advance, against the said released reaction product gas so as to allow partial condensation of condensable components from said reaction product gas while the remaining reaction product gas is allowed to rise upwards towards the top of said quench column;
- (e) and spraying another portion of the said condensate as recirculate from the top of the said quench column against the rising steam of partial condensate so that said another portion of the condensate contact, in counter-current manner, said reaction product gas by way of a packing of the quench column and
- (f) finally withdrawing required condensed as product steam containing methacrolein and methacrylic acid.

Compl. Specn. 48 pages.

Drgs. 2 sheets

Cl. : 167-C

170254

Int. Cl. : B 08 B 7/00.

APPARATUS FOR VIBRATORY CLEANING THE SURFACE OF AN ARTICLE FROM FOREIGN MATTER.

Applicant : FILIAL VSESOJUZNOGO ELEKTROTEKH-NICHESKOGO INSTITUTA IMENI V. I. LENINA, USSR, MOSKOVSKAYA OBLAST, ISTRA-2 AND VSESOJUZNYY NAUCHNO-ISSLEDOVATELSKY I KONSTRUKTORSKY INSTITUT MOLOCHNOI PROMYSHLENNOSTI, USSR, MOSCOW, LJUSINOVSKAYA ULITS, 35.

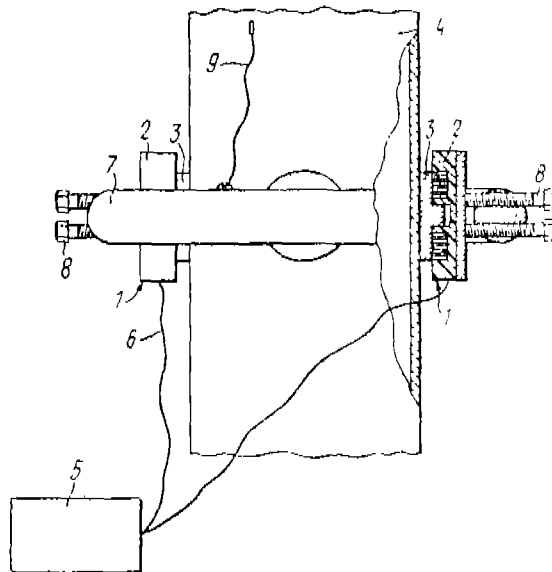
Inventors : (1) VLADIMIR DMITRIEVICH KHARITONOV, (2) VADIM YAKOVLEVICH GRANOVSKY, (3) PAVEL VLADIMIROVICH KUZNETSOV, (4) ALEXANDR PAVLOVICH ODNORAL, (5) ANATOLY VLADIMIROVICH VORONOV.

Application No. 884/Cal/1988 filed 25 October, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

An apparatus for vibratory cleaning the surface of an article from foreign matter, comprising at least one exciter of mechanical pulses, including an electromagnetic inductor connected to a source of pulsed electric current and a plate made of an electrically conductive material, arranged between the surface of the article to be cleaned and the electromagnetic inductor, closely adjoining the electromagnetic inductor, a frame having the electromagnetic inductor fixedly mounted thereon, and at least one striking member arranged between the frame and the surface of the article to be cleaned in the area of the most probable location of the foreign matter, and fixedly mounted on the frame.



Compl. Specn. 9 pages.

Drgs. 3 sheets

Cl. 127-I

170255

Int. Cl. : F 16 D 3/78.

An INSERTABLE JAW CLUTCH COUPLING.

Applicant : KTR KUPPLUNGSTECHNIK GMBH RÖD-DER DAMM 4440 RHEINE 1, FED. REP. OF GERMANY.

Inventors : (1) HELMUT SCHERNER, (2) REINHARD WIBBELING, (3) JOSEF SCHURHORSTER.

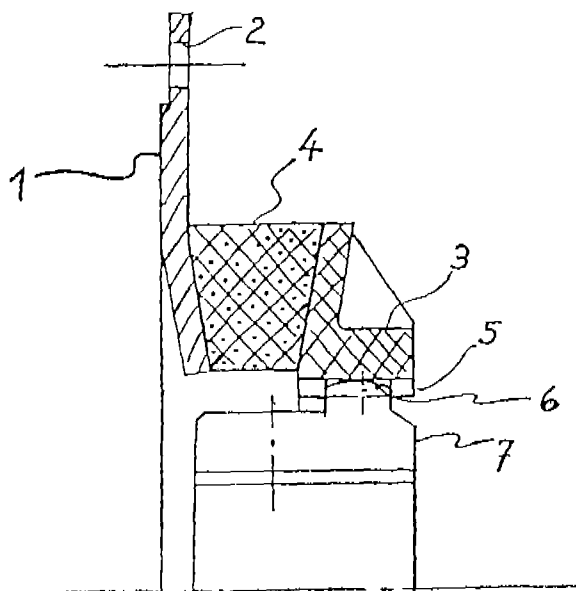
Application No. 634/Cal/1988 filed 29 July, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

An insertable jaw clutch coupling capable of executing an axial and angular movement for the purpose of transferring an elastic torque, with an externally-toothed coupling hub with crowned teeth, capable of being fitted with the driven machine, said coupling hub engages with the internal teeth of a coupling flange, said coupling flange can be fitted on the driving machine, characterised in that the coupling flange

consists of a ring (1, 20, 32) adapted to be fitted to the driving machine, a coupling sleeve (3, 22, 33) having internal teeth (5, 29, 43), said coupling flange and coupling sleeve being joined to each other by means of a rubber ring made of elastomeric material.



Compl. Specn. 15 pages

Drgs. 3 sheets

Cl. : 68-D

170256

Int. Cl. : H 05 K 5/00.

A SUBASSEMBLY CASE FOR ELECTRICAL INSTALLATIONS.

Applicant : SIEMENS AKTENGESSELLSCHAFT, WITTELSBACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY..

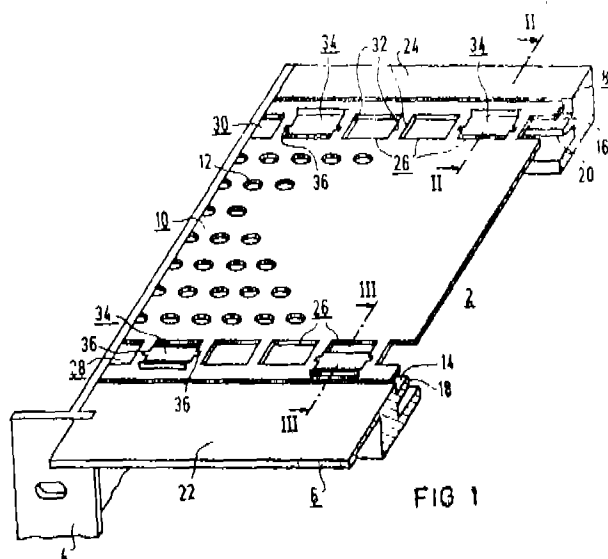
Inventors : (1) EUGEN ASSEL, (2) BURKHARD DASBACH, (3) BRUNO GEBHARD.

Application No. 809/Cal/1988 filed 29 September, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A subassembly case for electrical installations comprising : front and rear members having corresponding front and rear recessed shoulders; a flat sheet shield made of a conductive material and having a plurality of venting holes, and two bearing areas, each bearing area having a row of rectangular holes, each hole having a short side, said holes being arranged with said short sides being adjacent; and a plurality of v-shaped fastening springs made of a conductive material disposed in said rectangular holes, each spring having a first leg terminating in a hook for engaging one of said recessed shoulders.



Compl. Specn. 7 pages

Drgs. 1 sheet

Cl. : 33-F

170257

Int. Cl. : B 22 C 9/00.

IMPROVEMENT INTRODUCED IN THE FORMATION OF FOUNDRY CORE BLOCKS.

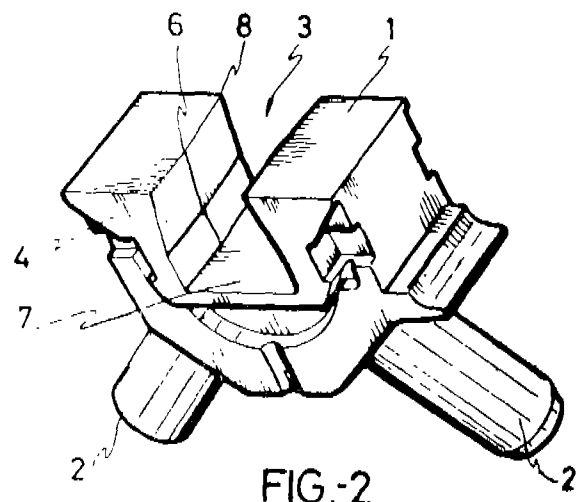
Applicant & Inventor : AGUSTIN ARANA ERANA, 4 POLIGONO INDUSTRIAL ALIGOBEO, 01010 VITORIA, ALAVA (SPAIN).

Application No. 819/Cal/1988 filed 04 October, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

Improvements introduced in the formation of foundry core blocks, essentially characterized in that in a first blowing machine, and with the aid of predetermined molds, cores are obtained with a configuration which is substantially its definitive configuration, more specifically with the exception of a channeling or aperture having predetermined dimensions such that, on assembly of the cores which shall make up the corresponding block, the channelings or apertures face each other and constitute a single channel or aperture which, with the help of a second blowing machine, is filled with a mixture of sand and agglomerating material which acts as a compact coupling means between the different cores, at the same time formally complementing same.



Compl. Specn. 13 pages,

Drgs. 6 sheets

CL : 128 I

170258

Int. CL : A 61 B 19/00, A 61 H 39/00.

DEVICE FOR MAKING AN INTRAVENOUS FILTER FOR IMPLANTATION.

Applicant : 2 MOSKOVSKY GOSUDARSTVENNY MEDITSINSKY INSTITUT IMENI N. I. PIROGOVA USSR, MOSCOW, ULITS A OSTROVITVANOVA, 9.

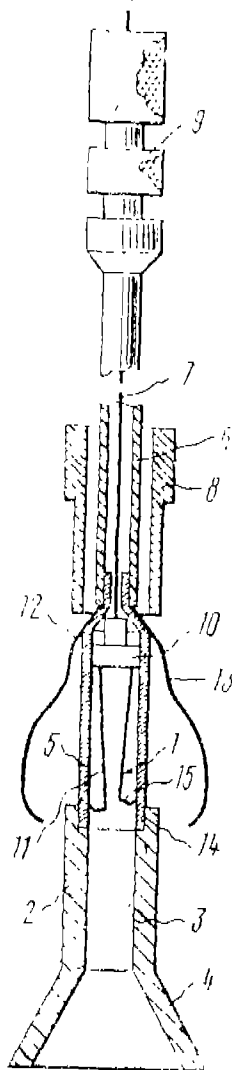
Inventors : (1) VIKTOR SERGEEVICH SAVELIEV, (2) EVGENY GEORGIEVICH YABLOKOV, (3) VLADIMIR ILICH PROKUBOVSKY, (4) STEPAN MIKHAILOVICH KOLODY, (5) SERGEI VIKTOROVICH SAVELIEV, (6) ARY ALEXEEVICH SMIRNOV.

Application No. 43/Cal/1989 filed 16 January, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A device for making an intravenous filter for implantation, comprising a guide element having a cylindrical portion and a conical portion, and an applicator having a capsule for accommodating the intravenous filter, a conducting catheter connected to the capsule, a stylet accommodated inside the conducting catheter and provided with a thread for holding the intravenous filter, characterized in that a number of springs are located at the base of the capsule and so fashioned that their free ends are curved to define a pyriform body of revolution encompassing the capsule, a sleeve installed on the catheter transversely to interact with the springs, and a collet grip to interact with the stylet.

**FIG. 1**

Compl. Specn. 10 pages

Drgs. 2 sheets

CL : 32 F 1 j- 40 F.

170259

Int. CL : C 07 C 17/20, 19/08.

PROCESS FOR THE PREPARATION OF 1, 1, 1, 2-TETRAFLUOROETHANE.

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY, WILMINGTON, DELAWARE, U.S.A.

Inventor : LEO ERNEST MANZFR.

Application No. 109/Cal/1989 filed 07 February, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A process for the preparation of 1, 1, 1, 2-tetrafluoroethane by fluorination of 1, 1, 1, -trifluorochloroethane, which process comprises

contacting in the gaseous phase at 300°C to 500°C and 1, 1, 1, trifluorochloroethane with HF and a catalyst comprising at least one metal to minimize the oxidation of liberated hydrogen chloride to chlorine and water to produce a product stream containing 1, 1, 1, 2-tetrafluoroethane, the molar ratio of HF to 1, 1, 1, -trifluorochloroethane ranging between 3/1 to 30/1,

said metal selected from the group consisting of cobalt, manganese, nickel, palladium, silver and/or ruthenium on aluminium fluoride,

said contacting occurring in the presence of oxygen, and thereafter,

separating in a conventional manner 1, 1, 1, 2-tetrafluoroethane from the product stream.

Compl. Specn. 16 pages

Drg. Nil

CL : 113-B

170260

Int. CL : F 23 Q 2/00.

A LIQUEFIED GAS LIGHTER.

Applicant : SANDACO, S.A. MASPONS Y LABRUS 23, 08026 BARCELONA, SPAIN.

Inventor : XAVIER LLOVERAS CAPILLA.

Convention date 23rd September, 1989, No. 8822371.8, U.K.

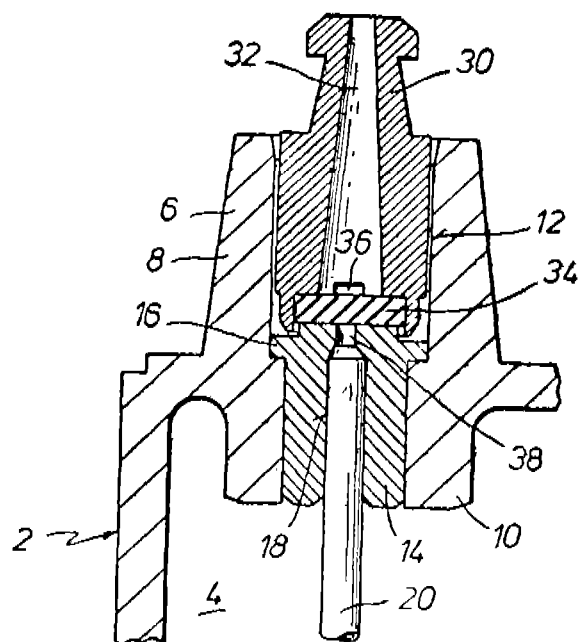
Application No. 467/Cal/1989 filed 19 JUN, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A liquefied gas lighter having a frame or body (2) devised with a reservoir (4) for liquefied gas; an exhaust chimney (30), it being possible for a gas flow to arise between the reservoir (4) and the chimney (30); flow shut off means comprising a lid (34), non variable rate of flow limiter; and means for guiding the flow from inside the reservoir (4) to the flow shut off means (34), wherein the means for guiding the flow are embodied by a single tube (20) made of extruded plastic which is more than 5 mm long and which has at least one longitudinal passage (22) with a total flow cross section,

including the sum of the flow cross sections of all such passages, between 0.03 and 0.002 mm², the tube (20) being a hermetic fit in the lighter body (2) either directly or with interposition of a support member (14).



(Compl. Specn. 15 pages,

Drgs. 2 sheets)

Ind. Cl. : 32 F (b) [GROUP IX (1)]

170261

Int. Cl.⁴ : C 07 D 417/14.

AN IMPROVED PROCESS FOR PREPARING CEFODIZIME SODIUM.

Applicant : HOECHST AKTIENGESellschaft, D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY, CHEMICAL MANUFACTURERS, A CORPORATION ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY.

Inventor : WOLFGANG MARTIN.

Application No. 665/MAS/89 filed on 6th September, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, Madras,

6 Claims

An improved process for preparing cefodizime sodium, the improvement comprising dissolving cefodizime acid, at a temperature in the range of 5 to 10°C, in ethanol having a water content of 4 to 15%, adding 1.5 to 2.5 moles of an organic amine base such as hereindescribed and adding a sodium donor at a temperature of 5 to 20°C for crystallizing the disodium salt of cefodizime.

(Compl. Specn. 7 Pages

Drg. 1 sheet.)

2-487 GI/91

Ind. Class : 32-F₂ (b) [GROUP IX(1)]

170262

Int. Cl. : C 07 D 401/04.

A PROCESS FOR PREPARING A SPIRO COMPOUND.

Applicant : DAIICHI PHARMACEUTICAL CO. LTD., OF 14-10, NIHONBASHI 3-CHOME, CHUO-KU, TOKYO, JAPAN, A JAPANESE COMPANY.

Inventors : (1) ISAO HAYAKAWA, (2) SHOGHO ATARASHI, (3) MASAZUMI IMAMURA, (4) YOUTCHI KIMURA.

Application No. 650/MAS/89 filed August 29, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

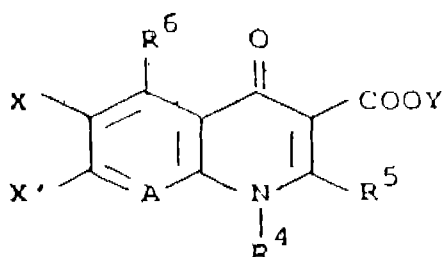
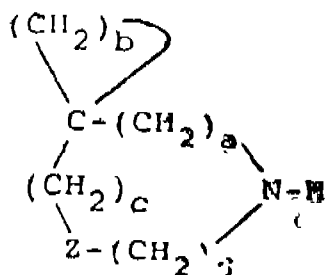
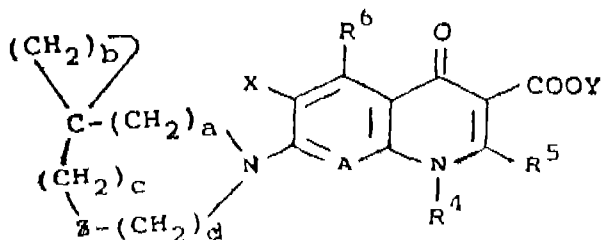
2 Claims

A process for producing a spiro compound of formula 1 of the accompanying drawings,

wherein a represents an integer equal to 0 or 1; b represents an integer equal to 2 through 5, inclusive; C represents an integer equal to 0 or 1; and d represents an integer equal to 0 through 2, inclusive; Z represents $>CHR^1 >NR^2$, C = NOR³, an oxygen atom or a sulfur atom, wherein R¹ represents a hydrogen atom, an amino group, a monoalkylamino group of 1 to 6 carbon atoms, a dialkylamino group containing 1 to 6 carbon atoms per alkyl, a hydroxyl group, an alkoxy group of 1 to 6 carbon atoms or a hydroxyalkyl group of 1 to 6 carbon atoms; R² represents a hydrogen atom, an alkyl group of 1 to 6 carbon atoms, a hydroxyalkyl group of 1 to 6 carbon atoms, a haloalkyl group of 1 to 6 carbon atoms, a formyl group or an alkyl-carbonyl group of 2 to 7 carbon atoms, —R³ represents a hydrogen atom or an alkyl group of 1 to 6 carbon atoms; R⁴ represents an alkyl group of 1 to 6 carbon atoms; an alkenyl group of 2 to 6 carbon atoms, a haloalkyl group of 1 to 6 carbon atoms, a substituted or unsubstituted cycloalkyl group of 3 to 6 carbon atoms, a substituted or unsubstituted aryl group, a substituted or unsubstituted heteroaryl group, an alkoxy group of 1 to 6 carbon atoms or an alkylamino group of 1 to 6 carbon atoms; R⁵ represents a hydrogen atom or an alkyl group of 1 to 6 carbon atoms; R⁶ represents a hydrogen atom, a substituted or unsubstituted amino group, a hydroxyl group, an alkoxy group of 1 to 6 carbon atoms or a halogen atom; A represents a nitrogen atom or $\geq C-R^7$ wherein R⁷ represents a hydrogen atom, an alkyl group of 1 to 6 carbon atoms, a halogen atom, an alkoxy group of 1 to 6 carbon atoms, a haloalkyl group of 1 to 6 carbon atoms or a cyano group; R⁴ may, taken together with R⁵ and/or R⁷, form a substituted or unsubstituted ring which can include an oxygen, nitrogen or sulfur atom, wherein the substituent is an alkyl group of 1 to 6 carbon atoms or a haloalkyl group of 1 to 6 carbon atoms; X represents a halogen atom; Y represents a hydrogen atom, an alkyl group of 1 to 6 carbon atoms, an alkoxyalkyl group of 1 to 6 carbon atoms, a phenylalkyl group containing 1 to 6 carbon atoms in its alkyl moiety, a dihaloboron group, a phenyl group, an acetoxymethyl group, a pivaloyloxymethyl group, an ethoxycarbonyloxy group, a choline group, a dimethylaminoethyl group, a 5-indanyl group, a phthalidindyl group, a 5-substituted-2-oxo-1, 3-dioxazol-4-ylmethyl group or a 3-acetoxy-2-oxobutyl group, and salts thereof, which com-

prises reacting at a temperature in the range of 50 to 180°C, a cyclic amine bearing spiro cyclic ring of the formula II of the accompanying drawings, wherein a, b, c, d, and Z areas defined above, with a halogenated quinolone derivative of the following formula III of the accompanying drawings,

wherein A, R⁴, R⁵, R⁶, Y and X are as defined above and X' represents a halogen atom.



(Compl. Specn. 129 pages;

Drgs. 10 sheets)

Ind. Cl. : 146-C&D1—[GROUP XXXVIII(2)] 170263

Int. Cl.⁴ : H 01 J 37/00.

A DEVICE FOR OBTAINING MICROSCOPIC DATA OR IMAGES OF SPECIMEN.

Applicant : ELECTRO-SCAN CORPORATION, OF 100 ROSEWOOD DRIVE, DANVERS, MASSACHUSETTS 01923, U.S.A., A U. S. COMPANY.

Inventor : ALAN C. NELSON.

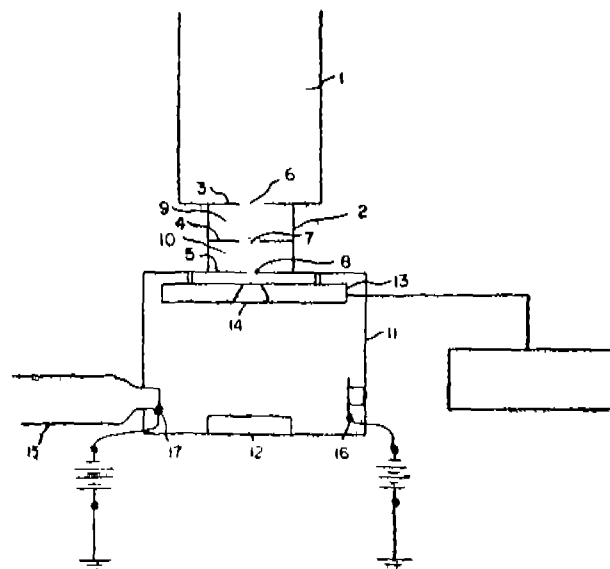
Application No. 22/MAS/88 filed January 13, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972, Patent Office, Madras Branch.

8 Claims

A device for obtaining microscopic data or images of specimen which comprises : an electron source capable of emitting a beam of electrons; an electron optical vacuum column with means for focusing the beam of electrons; means

for scanning the focused beam of electrons across the surface of a specimen; characterised in that a differentially pumped aperture column attached to the electron optical vacuum column and having at least two walls perpendicular to the sides of the differentially pumped aperture column and defining a suitable series of pressure gradients, each wall having an aperture aligned to permit the beam of electrons to pass through the differentially pumped aperture column; a specimen chamber, maintained at a pressure different from that of the electron optical vacuum column and the differentially pumped aperture column, attached to the differentially pumped aperture column so as to allow the focused beam of electrons to enter into the specimen chamber; a specimen mount located within the specimen chamber and positioned for supporting a specimen so as to allow the focused beam of electrons to interact with the specimen; means within the specimen chamber for preventing the buildup of negative charge on the surface of a specimen; a detector suitable for detecting a signal transmitted through a specimen and the environment of the specimen chamber upon exposure of the specimen to the focused beam of electrons to provide an electrical signal output representative of this detected signal; and means for displaying and recording the information provided by the output from the detector.



(Compl. Specn. 16 pages;

Drg. 1 sheet)

Ind. Cl. 32 F 1 [GROUP IX(1)]

170264

Int. Cl.⁴ : C 07 C 17/34, 21/06.

AN IMPROVED PROCESS FOR THE PRODUCTION OF VINYL CHLORIDE AND AN APPARATUS FOR CARRYING OUT THE SAME.

Applicants : HOECHST AKTIENGESellschaft, A CORPORATION ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF D 6230 FRANKFURT AM MAIN 80; AND UHDE GMBH, A CORPORATION ORGANIZED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF 10-15 FRIEDRICH-UHDE-STRASSE, D 4600-DORTMUND; BOTH OF FEDERAL REPUBLIC OF GERMANY.

Inventors : GERHARD LINK, WALTER FRÖHLICH, REINHARD KRUMBOCK, GEORGE PRANTL, IWO SCHAFFELHOFFER.

Application No. 735/MAS/87 filed on 13th October, 1987.

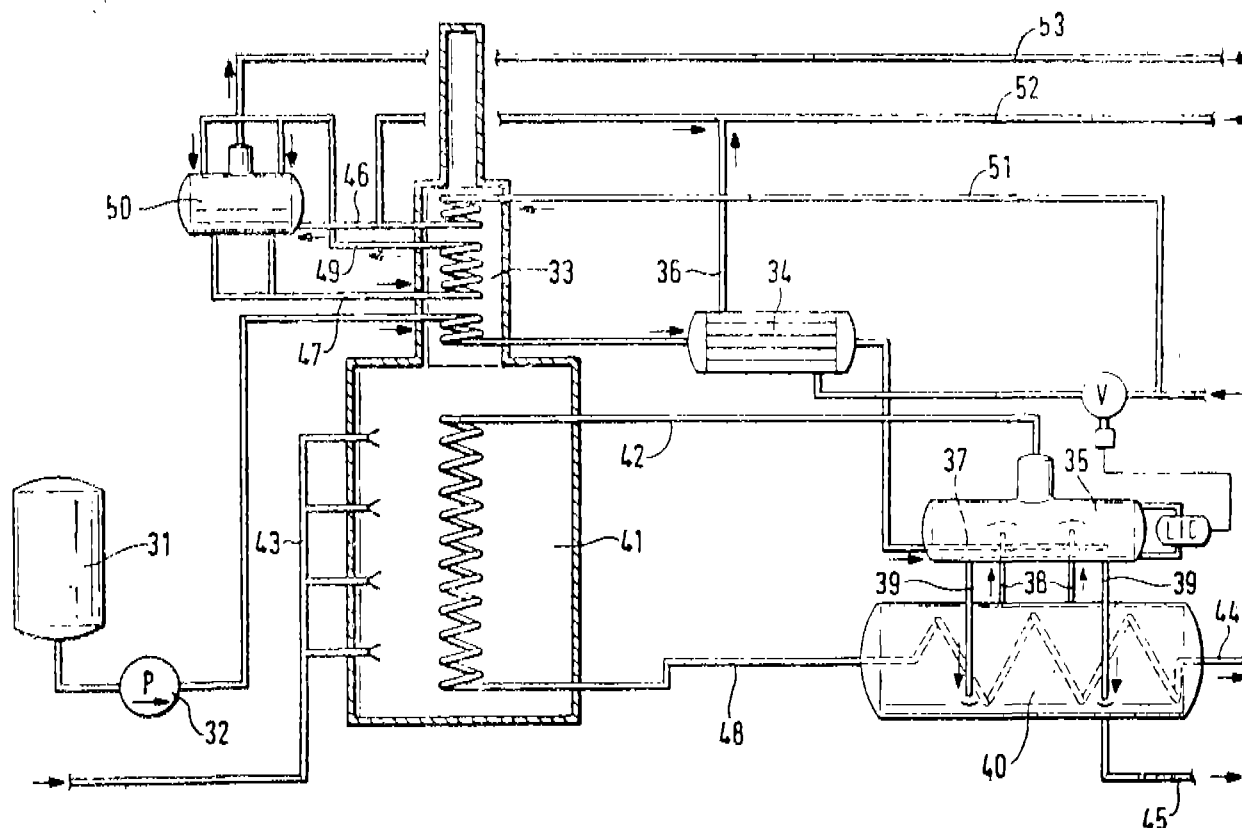
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972, Patent Office, Madras Branch.

8 Claims

An improved process for the production of vinyl chloride by thermal elimination of hydrogen chloride from 1, 2-dichloroethane in a cracking furnace, wherein liquid 1, 2-dichloroethane is warmed indirectly and evaporated using the hot, vinyl chloride-containing gas leaving the cracking furnace, and the gaseous 1, 2-dichloroethane is introduced to the cracking furnace, wherein the 1, 2-dichloroethane is indirectly warmed to boiling in a first container with the vinyl chloride-containing gas and is transferred from there into a second container at a temperature from 150°C to 220°C in which it is partially evaporated, without further warming, under a low pressure than in the first container, the evaporated 1, 2-dich-

loroethane being fed into the cracking furnace and the non-evaporated 1, 2-dichloroethane being fed back to the first container, and recovering the vinyl chloride from the cracking furnace by any known manner.

An apparatus for carrying out the improved process as claimed in one or more of claims 1 to 3, comprising two closed cylindrical containers (1; 2) whose length to diameter ratio is 2 to 8, which are connected to one another through pipes and of which one container contains a coiled pipe (3), wherein the two containers (1; 2) are arranged substantially parallel above one another at a distance with cylinder axes which are horizontal or slightly inclined to the horizontal, the lower container (1) contains the coiled pipe (3), at least one rising pipe (4) leads from the uppermost part of the lower container (1) into the upper container (2) and ends open in the upper half of the latter, at least one connecting pipe (5) leads from the lower part of the upper container (2) to the lower part of the lower container (1), the lower container (1) in the lower part and the upper container (2) in the upper part each contain an aperture (6; 7), and the upper container (2) has a liquid-level measurement device (8) and at least one further aperture (9) from which a pipe leads into the lower part of this container.



Ind. Cl. : 206 E [GROUP LXII]

170265

Int. Cl.⁴ : H 03 M 1/66.**A TWO-WIRE TRANSMITTER.**

Applicant : ROSEMOUNT INC., 12001 TECHNOLOGY DRIVE, EDEN PRAIRIE, MINNESOTA 55344, U.S.A., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF MINNESOTA, U.S.A.

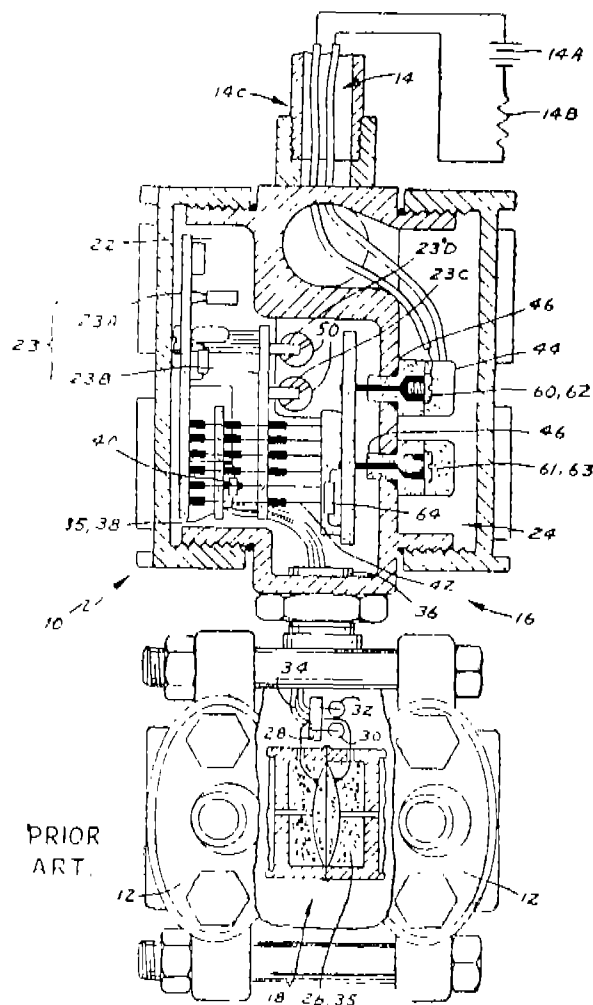
Inventors : (1) JOHN A. KIELB, (2) RICHARD - L. NELSON, (3) DAVID L. PEDERSON.

Application No. 687/MAS/87 filed on 22nd September, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, Madras.

10 Claims

A two-wire transmitter characterised by a sensor module coupled to a sensor excitation circuit and a detector circuit for providing output information to a two-wire current carrying loop to which the transmitter is suited for interconnection, the two-wire current carrying loop providing electrical energy for the transmitter with this output information being represented by current amplitudes in the loop within a standard range of such amplitudes and with the output information being based on values of sensed process variable that depends on conditions in a structure to which the transmitter is affixed, said detector circuit having a calculating means coupled between the sensor module and the current loop for digitally calculating the transmitter output such that the detector circuit provides said output information as current amplitudes in the loop and accommodates additional information simultaneously in the loop represented by digital signals therein.



(Compl. Sepcn. 30 pages;

Drgs. 7 sheets)

Ind. Cl. : 160-C [GROUP LH(3)]

170266

Int. Cl.⁴ : B 61 F 5/00, 13/00, B 62 D 21/00.**AN IMPROVED RAILTRUCK ASSEMBLY FOR USE IN AN IMPROVED RAILWAY TRAIN OF HIGHWAY TRAILERS.**

Applicant : RAILMASTER SYSTEM INCORPORATED, INCORPORATED UNDER THE LAWS OF THE STATE OF NEW YORK, U.S.A., OF 26TH AND STATE STREET, CHICAGO HEIGHTS, ILLINOIS 60441, U. S. A.

Inventors : (1) HARRY O. WICKS, (2) MONTE P. RIEFLER.

Application No. 415/MAS/87 filed June 4, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

21 Claims

An improved railtruck assembly for use in an improved railway train of highway trailer having leading and following trailers which are interconnected to each other, adjacent ends of said highway trailers being supported solely by railtruck assemblies, each of said highway trailers having a body, a forwardly extending load supporting tongue connectable to a leading trailer, first receiving means capable of receiving the forward end of a tongue of a following trailer, and second receiving means, and wherein said improved railtruck assembly is capable of being secured to an associated highway trailer initially disposed to either end of said railtruck assembly; said improved railtruck assembly being characterized by :

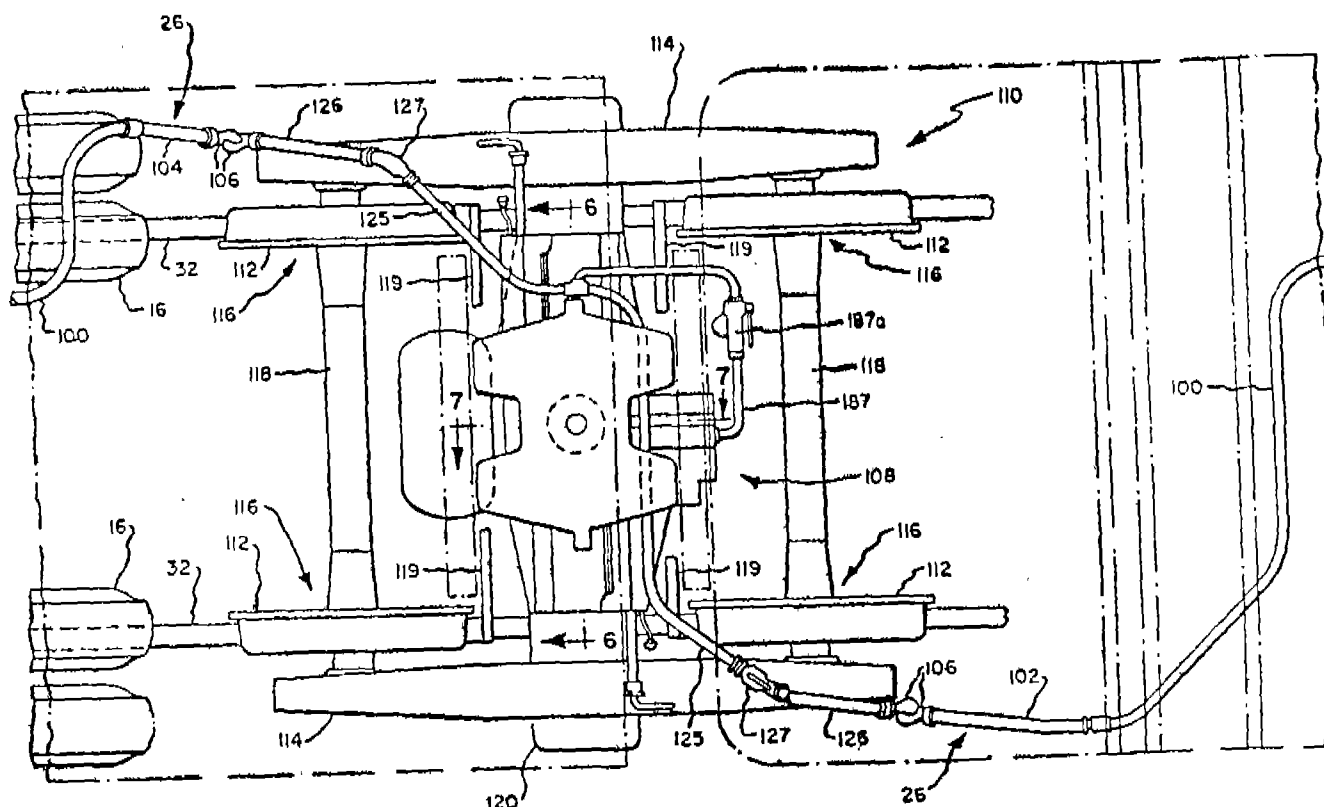
a generally conventional railtruck having
a pair of said frames, and

a transversely extending bolster supported on said side frames; and

an intermodal adapter supported on the bolster and having

load bearing locating means having forwardly and rearwardly extending substantially identical locating portions, each one of said locating portions being capable of being received within the second receiving means of a leading highway trailer to cause the leading highway trailer and intermodal adapter to become aligned with each other upon relative movement towards each other, and

forwardly and rearwardly extending securing latch, either one of said securing means being capable of maintaining the associated locating means within said second receiving means of said highway trailer when in a completely mounted position.



(Compl. Secon. 30 pages;
(each of size 33.00 cms. by 41.00 cms.)

Drgs. 3 sheets)

Ind. Cl. : 69-I [GROUP LIX(1)].

170267

Int. Cl.^a : H 01 H 37/54.

A LOW VOLTAGE MINIATURE ELECTRIC CIRCUIT BREAKER.

Applicant : MERLIN GERIN, OF RUE HENRI TARZE 33050 GRENOBLE, CEDEX, FRANCE, A FRENCH COMPANY.

Inventors : (1) BARTOLO WILLIAM, (2) BOLLLOT LOUIS, (3) DUCHENAUD JACKY, (4) DE ROBERTIA PATRICK, (5) RAMACIOTTI JEAN CLAUDE.

Application No. 68/MAS/90 filed January 25, 1990.

Divisional to Patent No. 167285 (530/MAS/86); Antedated to July 11, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

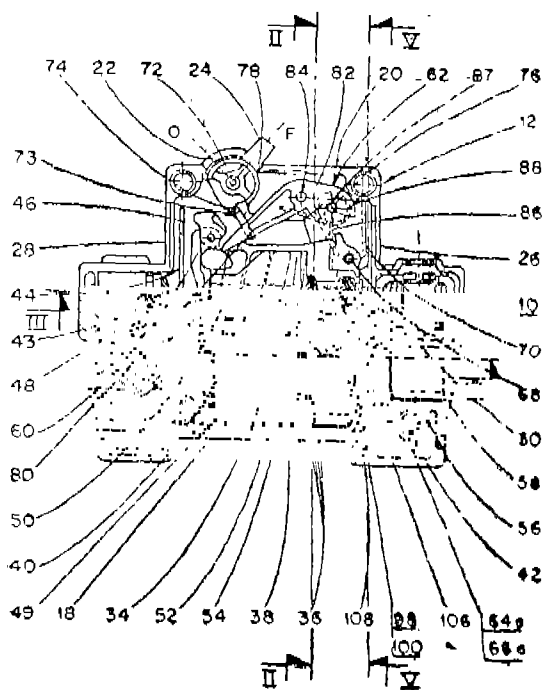
8 Claims

A low voltage miniature electric circuit breaker with a parallelepipedic moulded insulated casing; housing

- an opening and closing mechanism occupying almost the whole width of the casing and controlled either by a thermomagnetic trip release ensuring automatic tripping in the event of a short-circuit or overload, or by a manual control handle,
- the trip release comprising a bimetallic strip and an electromagnet with a coil and sliding plunger core,
- a pair of pole connection terminals,

- a stationary contact assembly electrically connected to one of the terminals,
- a moving contact assembly mechanically coupled to the mechanism for actuating between the open and closed positions and electrically connected to the other terminal via the coil,
- an extractor rod securedly fixed to the moving core of the electromagnet and shifting the moving contact assembly at high speed to the opening position when tripping occurs on a short circuit,
- an arc chute form by stacking of metal deionization plates, the trip release electromagnet being located between the arc chute and the said mechanism depthwise in the casing,
- and a pair of arc guiding electrodes or horns on which the arc strikes after separation of the contacts, wherein the moving contact assembly comprises plurality of identical independent contact arms mounted at regular intervals on a common transverse spindle articulated on a cradle of the mechanism, each moving contact arm comprising a contact part and a braid for electrical connection with the coil, said assembly having a symmetrical multiple structure with several branched elementary circuits, each having a fraction of the pole rated current flowing through it resulting in the contact points with the stationary contact assembly being multiplied, and the electromagnet extractor extends in the mid-plate of the casing to act simultaneously on all the independent contact arms when a short circuit occurs,

with the formation of several parallel elementary arcs at the beginning of opening travel of the contacts.



(Compl. Specn. 19 pages;

Drgs. 7 sheets)

Ind. Class : 24-F [GROUP LV]

170268

Int. Cl.⁴ : F 16 D 65/04.

A FRICTION PAD SUPPORT MECHANISM FOR A DISC BRAKE.

Applicant : AKEBONO BRAKE INDUSTRY, CO. LTD., OF NO. 19-5 KOAMI-CHO, NIHONBASHI CHUO-KU TOKYO, JAPAN, A CORPORATION OF JAPAN.

Inventor : HIROSHI HIRASHITA.

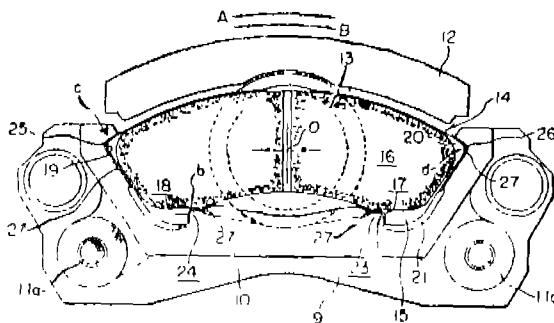
Applicant No. 881/MAS/87 filed December 7, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

11 Claims

A friction pad support mechanism for a disc brake having a disc rotor, a pair of friction pads arranged on both sides of said disc rotor and supported by a support member fixed to a vehicle body, and a drive means for drivingly moving of said friction pads relative to the other in the axial direction of said disc rotor, said friction pad support mechanism comprising a pair of first engaging means provided on a radially inward edge face of each of said friction pads for transmitting brake torques applied from said friction pads, said first engaging means being disposed on both end portion of said radially inward edge face of each of said friction pads, first retaining means provided on said support member for receiving the brake torques from said first engaging means in engagement with said first engaging means; a pair of second engaging means provided on a radially outward edge face of each of said friction pads for transmitting the brake torques applied from said friction pads, said second engaging means being disposed on both end portions of said radially outward edge face of each of said friction pads; and second retaining means provided on said support member for receiving the

brake torques from said first engaging means in engagement with said second engaging means and for restricting a radially outward movement of each of said friction pads.



(Compl. Specn. 13 pages;

Drgs. 3 sheets)

Ind. Class : 56-F [GROUP V]

170269

Int. Cl.⁴ : C 10 G 47/00.

PROCESS FOR THE MANUFACTURE OF KEROSENE AND/OR GAS OILS.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., A NETHERLANDS COMPANY OF CAREL VAN BYLANDT LAAN 30, 2596 HR, THE HAGUE, THE NETHERLANDS.

Inventors : (1) HENRIOUS JOHANNES ANTONIUS VAN HELDEN, (2) NIELS FABRICIUS, (3) WOUTHERUS MATHEUS MARIE DEKKERS.

Application No. 852/MAS/87 filed November 25, 1987.

Convention date : December 10, 1986; (No. 8629477; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

3 Claims

Process for the manufacture of kerosene and/or gas oil(s) comprising catalytically treating a hydrocarbon feedstock of a flashed distillate containing a distillation product having a boiling range between 320° to 600°C, produced by catalytic residue conversion process, the said catalytic treatment being carried out in the presence of hydrogen and a catalyst such as herein described at a temperature between 200°C and 500°C, a pressure upto 300 bar and space velocities between 0.1 to 10 kg followed by distillation, to obtain kerosene and/or gas oil(s).

(Compl. Specn. 21 pages;

Drgs. 2 sheets)

Ind. Class : 206 C [GROUP LXII]

170270

Int. Cl.⁴ : G 01 V 1/38.

A SEISMIC SURVEY REMOTE CONTROL SYSTEM FOR CARRYING OUT MARINE OPERATIONS.

Applicant : INSTITUT FRANCAIS DU PETROLE, A FRENCH BODY CORPORATE, OF 4 AVENUE DE BOIS-PREAU, 92502 RUEIL-MALMAISON, FRANCE.

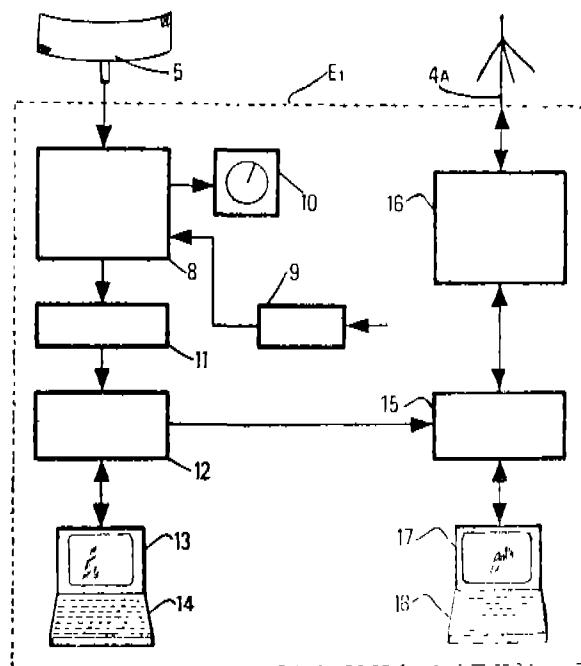
Inventor : PIERRE MAGNEVILLE.

Application No. 887//MAS/85 filed November 5, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

3 Claims

A seismic survey remote control system for carrying out marine operations with a surface vessel (1) and at least one secondary self-propelled surface vehicle (6), comprising a radio transmission assembly for remote control of each of said secondary surface vehicle (6) from the said surface vessel (1), said radio transmission assembly consisting of at least two sub-assemblies, the first sub-assembly (E1) on the said surface vessel (1) having navigation means with radar system (5, 8, 10), a first programmable data processing means (15, 17, 18) cooperating with a first radio transmission-reception unit (16), a second programmable data processing means (12, 13, 14) connected with said first programmable data processing means relating to course and spaced to be imposed to each secondary surface vehicle (6) from echo signals provided by the radar system and selected according to servo control predetermined conditions, the second sub-assembly (E2) on each secondary surface vehicle (6) having a third programmable data processing means (19) cooperating with a second radio transmission-reception unit (20), said sub-assemblies having means for coding and decoding messages to be exchanged therebetween, said transmission assembly consisting of an automatic pilot (21) on said second sub-assembly (E2), connected to the third programmable data processing means (19) for generating error signals, switching means (24) controlled by the said third programmable data processing means (19) said second sub-assembly (E2) being provided with an interface unit (23) between various sensors on board each secondary surface vehicle (6), and said third programmable data processing means (19) responding to status and status and alarm signals transmitted by said various sensors.



(Compl. Specn. 17 pages.)

Drgs. 5 sheets.)

Ind. Class : 39 K & L [GROUP III]

170271

Int. Cl.⁴ : C 01 B 17/46 & C 04 B 2/02.

A PROCESS FOR THE CONVERSION OF A CALCIUM MINERAL INTO A CALCIUM-CONTAINING SOLID PRODUCT AND A GASEOUS STREAM AT A HIGH TEMPERATURE.

Applicant : MISSISSIPPI CHEMICAL CORPORATION,
P.O. BOX 388, YAZOO CITY, MISSISSIPPI 39194-0388,
UNITED STATES OF AMERICA, A U.S. COMPANY.

Inventors : (1) DAVID W. ARNOLD (2) DANIEL P. MCDONALD.

Application No. 769/Mas/87 filed on 23rd October, 1987.

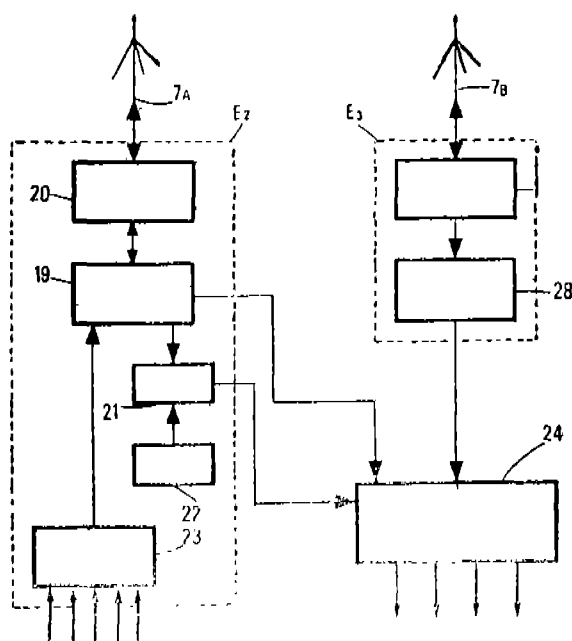
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

4 Claims

A process for the conversion of a calcium mineral into a calcium-containing solid product and gaseous stream at a high temperature, which comprises the steps of

(i) mixing the calcium mineral with a fossil fuel, where the fossil fuel comprises the only combustible fuel source in the process; and

(ii) combusting the fossil fuel in the presence of a stoichiometric or excess amount of a source of oxygen, thereby subjecting the calcium mineral to a temperature in excess of 3400°F for less than 1 minute to yield a calcium-containing solid product and a gaseous stream.



(Compl. Specn. 62 Pages.)

Drgs. 4 Sheets.)

Ind. Class : 32-E—[GROUP IX(1)]

170272

Int. Cl.⁴ : C 08 L 27/06.**A METHOD OF MANUFACTURING A MAGNETIC RECORDING DEVICE.**

Applicant : UNION CARBIDE CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, U.S.A., OF OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT 06817, U.S.A.

Inventors : (1) DONALD FOSS SMITH (2) ISMAEL COLON (3) JAMES RICHARD HARVEY.

Application No. 757/Mas/87 filed October 20, 1987.

Appropriate office for opposition proceedings (Rule, 4, Patents Rules, 1972), Patent Office, Madras Branch.

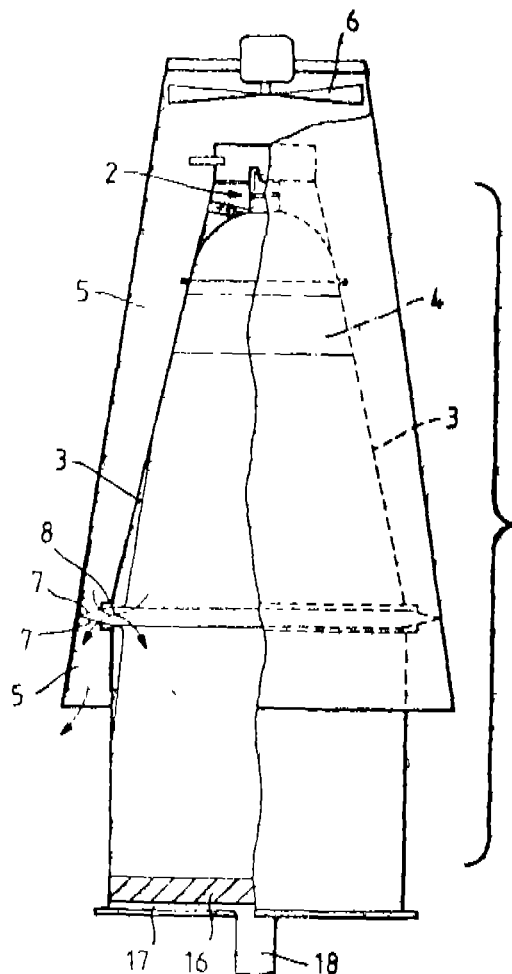
5 Claims

A method of manufacturing a magnetic recording device comprises, coating on a substrate such as herein described, a layer of magnetic recording medium in a known manner; said magnetic recording medium containing known magnetic particles and a binder of a vinyl chloride polymer consisting of

- (a) vinyl chloride in an amount of 70 to 90% by weight;
- (b) hydroxyalkyl acrylate in an amount to provide 0.5 to 3.0% by weight hydroxyl groups, and
- (c) acrylic acid, methacrylic acid, itaconic acid, fumaric acid or maleic acid in an amount to provide 0.05 to 0.3 percent by weight carboxyl groups and curing said coated layer to obtain a magnetic recording device.

(Compl. Specn. 36 pages.

No Drgs.)



(Compl. specn. 27 pages

Drgs. 6 sheets)

Ind. Cl. : 98 E [GROUP VII(2)]

170273

Int. Cl.⁴ : F 25 B 29/00.**A HEAT PUMP WITH A GAS RESONANCE DEVICE.**

Applicant : THE HASER COMPANY LIMITED, A BRITISH COMPANY, OF MORAY HOUSE, 16 BANK STREET, INVERNESS, SCOTLAND, IV1 1QY, GREAT BRITAIN.

Inventor : ALAN ARTHUR WELLS.

Application No. 746/Mas/87 filed on 16 October, 1987.

Convention dated 6-11-1986 No. 8626562 (Great Britain).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

2 Claims

A heat pump with a gas resonance device, comprising a heat sink located at one end of a resonance tube with an increasing cross-section area along the length from one end to the other end, a heat source located at one end of the said resonance tube and means to trigger oscillations in a gas in the said resonance tube a regenerator located adjacent the other end of the said resonance tube and means on the side of the said regenerator towards the said heat source for heat exchange between the gas in the resonance tube and a source of low grade heat such as atmosphere.

Ind. Cl. : 46 A & 46 E [GROUP XLI (3)]

170274

Int. Cl.⁴ : G 07 D 1/00.**A COIN HANDLING SYSTEM.**

Applicant : GEC PLESSEY TELECOMMUNICATIONS LIMITED, A BRITISH COMPANY, OF NEW CENTURY PARK, P.O. BOX 53, COVENTRY CV3 1HJ, ENGLAND.

Inventor : THOMAS CROSSMAN.

Application No. 744/Mas/87 filed on 16th October, 1987.

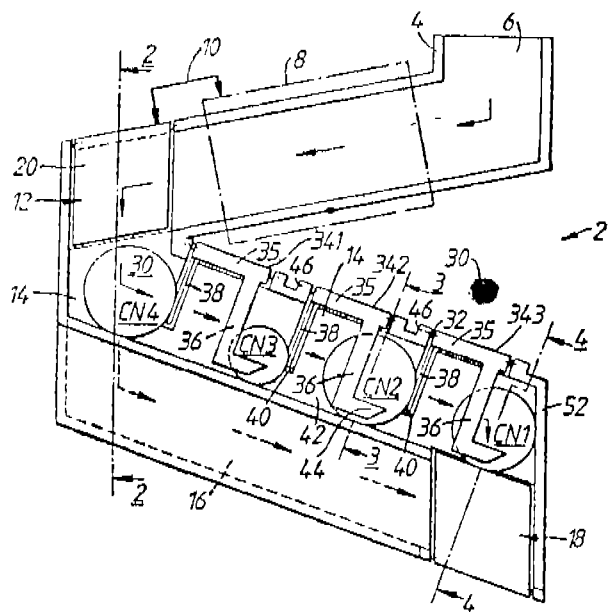
Convention dated 30-10-1986 No. 8626013 (United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

10 Claims

A coin handling system having a coin store having a plurality of pivoted levers placed in a coin path of the coin store, the levers being pivotally mounted along a common axis and arranged to be moved from a blocking position by contact with a coin rolling through the coin store, and returned to a non-blocking position after the coin is no longer in contact with each lever, except for the

final lever in the coin store which is held in the blocking position by the coin coming to rest against the stop at an end of the coin store and remaining in contact with the lever, wherein a subsequent coin entering the coin store travels down the store until it comes to rest against the lever blocking its path and operates an adjacent lever by contact therewith to block the path behind the subsequent coin.



(Compl. Specn 11 pages)

Drgs. 1 sheet)

Ind. Class : 172-C₉—[GROUP-XX]

170275

Int. Cl.⁴ : D 01 H 5/32; 5/38.

AN APPARATUS FOR AUTOMATICALLY COMPENSATING DENSITY VARIATIONS OF FIBER MATERIAL IN A TEXTILE MACHINE.

Applicant : MASCHINENFABRIK RIETER AG., A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF WINTERTHUR, SWITZERLAND.

Inventors : (1) PAUL STAHELI (2) ROBERT DEMUTH (3) FRITZSCHE PETER.

Application No. 741/Mas/87 filed October 15, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

An apparatus for automatically compensating density variations of fiber material such as herein described in a textile machine, comprising :

fiber infeed means for receiving a mass of fiber material whose density variations are to be detected;

said fiber infeed means having at least one driven feed roll element for feeding the mass of fiber material to a textile machine and at least one fiber infeed element;

said driven fiber feed roll element forming in conjunction with said fiber infeed element an invariable size nipping zone forming a passage for the fiber material characterized by open loop means coating with one of said elements for generating measuring signals representative of density variations of the throughpassing mass of fiber material in the nipping zone;

3—487 GI/91

closed loop means for generating signal representative density variations of fiber material processed in the textile machine at an delivery end of said textile machine;

control means for processing at least the generated signal representative of the density variations of the through passing mass of fiber material in the nipping zone and the generated signal representative of density variations of the processed fiber material at the delivery end of the textile machine to obtain control signals for controlling the rotational speed of the driven fiber feed roll element to produce at the delivery end of the textile machine processed fiber material of uniform density;

said fiber infeed element having a fiber feed plate;

means for pivotably mounting said fiber feed plate pivotal motion about a pivot axis;

means defining an abutment, the fiber feed plate bearing against said abutment during operation of the fiber infeed means, the fiber feed plate thereby bounding the nipping zone at one side thereof;

said means for delivering said measuring signals having two force measuring units;

each of said force measuring unit being mounted on a predetermined part of said means for pivotably mounting said fiber feed plate;

said two force measuring units being arranged in spaced relationship with respect to one another; and

said two force measuring units detecting shear forces arising at said means for pivotably mounting the feed plate by virtue of the action of the forces of the movement of the mass of fiber material in the nipping zone upon the fiber feed plate and delivering said measuring signal in the form of electrical signal representative of the density variations of the mass of fiber material passing through the nipping zone.

(Compl. Specn. 31 pages)

Drgs. 17 sheets)

Ind. Class : 172-C₉—[GROUP-XX]

170276

Int. Cl.⁴ : D 01 H 5/32; 5/38.

AN APPARATUS FOR DETECTING THICKNESS VARIATIONS OF A MASS OF FIBER MATERIAL AT THE INFEED OF A TEXTILE MACHINE.

Applicant : MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANIZED UNDER THE LAWS OF SWITZERLAND, OF WINTERTHUR, SWITZERLAND.

Inventors : (1) STAHELI PAUL

(2) DEMUTH ROBERT

(3) FRITZSCHE PETER.

Application No. 740·Mas/87 filed October 15, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

2 Claims

An apparatus for detecting thickness variations of a fiber material such as herein described at the infeed of a textile machine comprising :

fiber infeed means for receiving a mass of fiber material whose thickness variations are to be detected; said fiber in-feed means comprising at least one driven fiber feed roll element for feeding the mass of fiber material to a textile machine;

said fiber infeed means further comprising at least one fiber infeed element;

said at least one driven fiber feed roll element forming in conjunction with said at least one fibre infeed element an invariable size nipping zone through which the fiber material passes;

means co-acting with one of said element for delivering measuring signals representative of thickness variations of the through passing mass of fiber material in the said invariable size nipping zone; said fiber feed element comprising a fiber feed plate;

means for pivotably mounting said fiber feed plate for pivotal motion about a pivot axis;

means defining an abutment at which bears the fiber feed plate during operation of the fiber infeed means in order to bound the essentially invariable size nipping zone at one side thereof;

said means for delivering said measuring signals comprise two force measuring means;

each of said force measuring means being mounted at a predetermined part of said means for pivotably mounting said fiber feed plate;

said two force measuring means being arranged in spaced relationship with respect to one another; and

said two force measuring means detecting shear forces arising at said means for pivotably mounting the feed plate by virtue of the action of the mass of fiber material in the said nipping zone upon the fiber feed plate and delivering said measuring signals in the form of electrical signals representing the thickness variations of the fibre material passing through the said nipping zone;

(Compl. Specn. 30 pages

Drgs. 19 sheets)

Ind. Class : 32E [GROUP IX(1)]

170277

Int. Cl. : C 08 G 18/65.

A PROCESS FOR PREPARING A COATING AND FINISHING COMPOSITION FOR LEATHER IN THE FORM OF ANAQUEOUS DISPERSION OF POLYURETHANE.

Applicant : HENKEL KOMMANDITGESELLSCHAFT AUF AKTIEN, A COMPANY ORGANIZED AND EXISTING UNDER LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF HENKELSTRASSE 67, 4000 DUSSELDORF, WEST GERMANY.

Inventors : (1) RAINER HOFFER
(2) HANS HERBERT FRIESE
(3) ROLAND GRUETZMACHER
(4) AGERHARD HAINDL.

Application No. 721/Mas/87 filed October 7, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

11 Claims (No drawings)

A process for preparing a coating and finishing composition for leather in the form of an aqueous dispersion of polyurethane comprising reacting 100 parts by weight of an organic diisocyanate or a mixture of organic diisocyanates with a mixture of :

(a) polyester polyol in an amount of 40 to 200 parts by weight based on 100 parts by weight of isocyanate component;

(b) an oleochemical polyol in an amount of 6 to 60 parts by weight based on 10 parts by weight of isocyanate component;

(c) a polyether polyol in an amount of 0 to 12 parts by weight based on 100 parts by weight of isocyanate component; and

(d) a dihydroxy and/or diamino compound having anionic groups in an amount of 5 to 35 parts by weight, based on 100 parts by weight of isocyanate components, in water, to obtain an aqueous dispersion of polyurethane having a solid content of 10 to 50% and a viscosity of 10 to 50,000 mPa.s.

Compl. specn. 27 pages.

Ind. Class : 172-D₁—[GROUP-XX]

170278

Int. Cl.⁴ : D 01 H 7/898.

AN IMPROVED OPEN-END FRICTION SPINNING DEVICE AND METHOD OF MAKING THE SAME.

Applicant : MASCHINENFABRIK RIETER AG., A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF WINTERTHUR, SWITZERLAND.

Inventors : (1) HERBERT STALDER
(2) URS KELLER
(3) EMIL BRINER
(4) WERNER OEGGERLI
(5) ARTHUR WURMLI.

Application No. 692/Mas/87 filed September 23, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

13 Claims

An improved open-end friction spinning device comprising :

Two friction spinning means (6, 18; 28; 40, 47) movable relative to each other and together forming a convergent zone, at least one of said means (6; 28; 40) being provided with a coating (23; 34; 36; 51) forming a friction surface and holes for through flow of air having a section smaller than 0.442 mm² (diameter 0.75 mm);

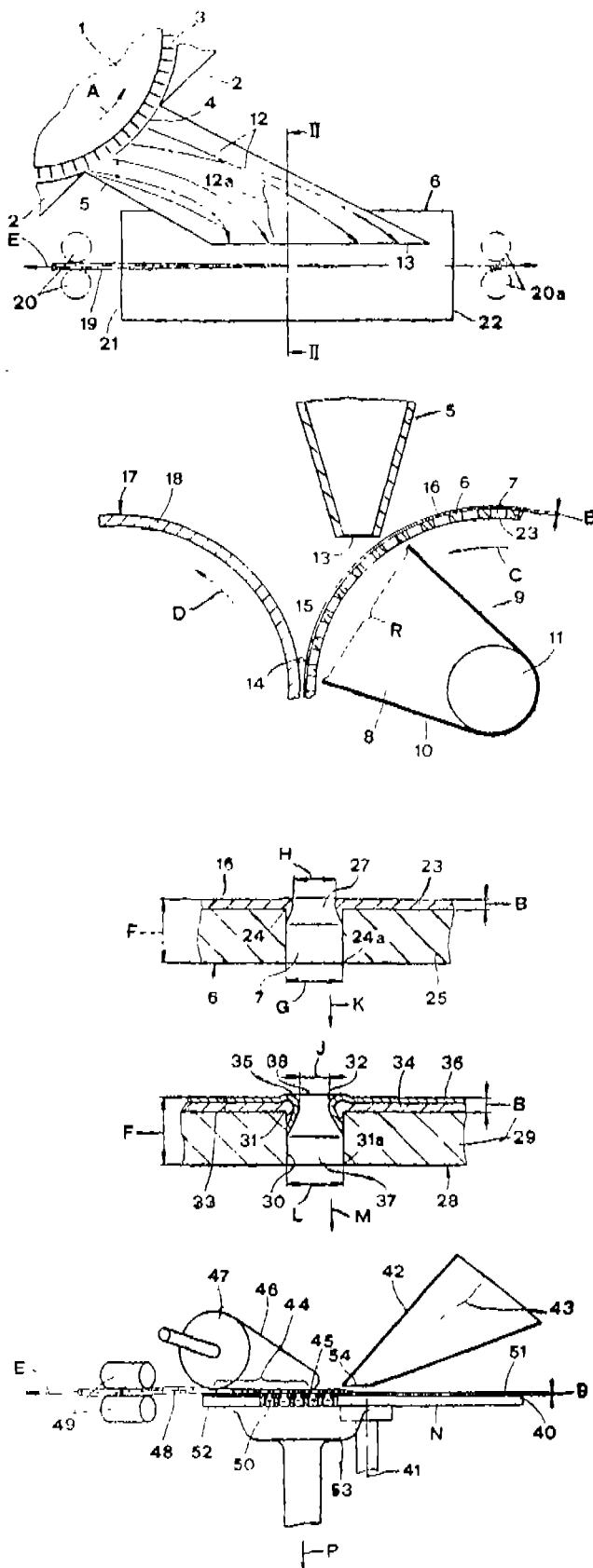
a fibre feed duct (5; 42) extending between a fibre sliver opening roller (1) and said at least one perforated friction spinning means (6; 28; 40) for pneumatic transport of fibres to the friction surface;

a yarn formation position (14; 44) on the friction surface in the convergent zone (15; 45) between the friction spinning means (6, 18; 28; 40, 47); and

—a yarn withdrawal means (20; 49) for withdrawing the yarn from the yarn formation position;

each hole (7; 37; 50) on the said friction spinning means at its entrance opening (27; 38) as viewed in air flow direction (K; M; P) has a narrowing at the friction surface of the friction spinning means (6, 18; 28; 40, 47) such that the hole section is less than 0.196 mm² but at least 0.07 mm², whereas the hole section (H; J) is extending away from the entrance opening (27; 38) in airflow direction (K; M; P) and that the narrowing

is formed by the coating (34; 36; 51) which extends into the holes (7; 37; 50) and the thickness (B) of the coating is at least 0.05 mm.



Ind. Class : 6-B₄—[GROUP—XLVII(1)]

170279

Int. Cl.⁴ : B 67 C 3/10.

CARBONATION APPARATUS WITH A GAS CONNECTOR FOR CONNECTING THE APPARATUS TO A CARBON DIOXIDE SUPPLY VESSEL.

Applicant : ISOWORTH LIMITED, A BRITISH COMPANY, OF 1210, LINCOLN ROAD, WERRINGTON, PETERBOROUGH PE4 6ND, ENGLAND.

Inventors : (1) ALISTAIR SCOTT

(2) PETER FREDDERICK CLARK.

Application No. 689/Mas/87 filed September 22, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

9 Claims

Carbonation apparatus with a gas connector for connecting the apparatus to a carbon dioxide supply vessel comprises :

a first connector part with a female member having an internal space defined by an internal cylindrical surface, a stop surface located within said female member, an inclined external locking surface, a passage which has a cross-section narrower than and which at one end communicates with the interior of the female member and a valve which normally closes said passage but which is openable to put the passage in communication with the interior of the vessel;

a carbonation chamber;

conduit for supplying carbon dioxide to said chamber; and

a second connector part for detachably interconnecting the carbonation apparatus with the said first connector part said second connector part consisting of a male member having a hollow interior in communication with said conduit and adapted to be slidably inserted into the said female member, the end of the said male member being adapted to engage said stop surface to positively define the position of the male member relative to the said female member when fully inserted therein;

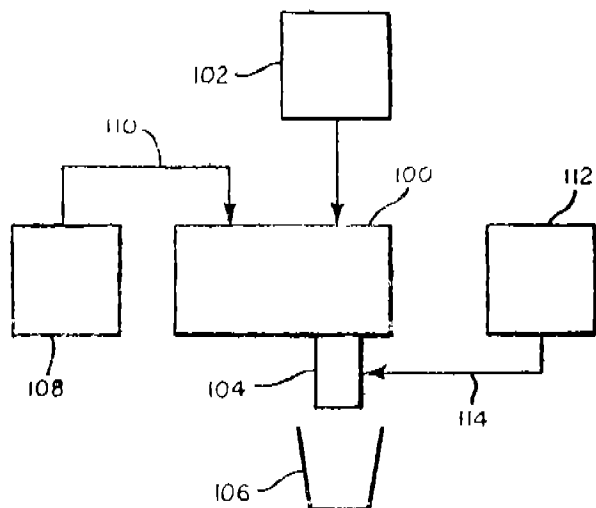
a sealing member on the outside of the said male member adapted to cooperate with said cylindrical surface of said female member to form a gas tight seal therewith;

a valve actuator positioned in the hollow interior of the male member and adapted to be axially movable for opening the valve of the connector part of the vessel;

resilient locking fingers positioned out-wardly of the said male member and projecting beyond the end thereof, each said finger having an inwardly directed projection adapted to engage said locking surface of said connector part of said vessel; and

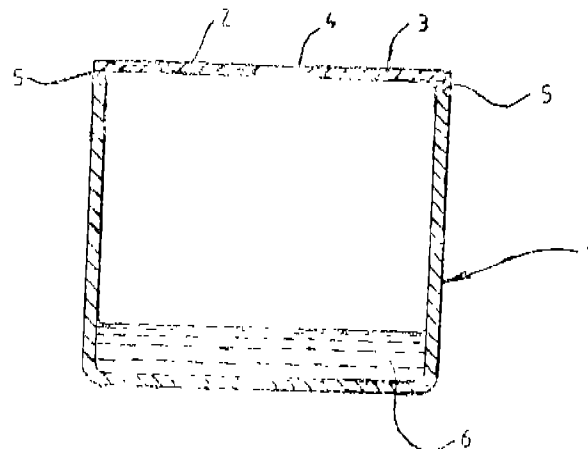
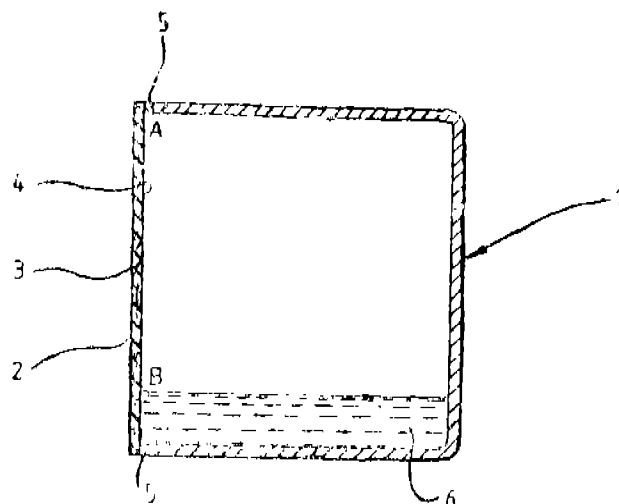
means for moving the locking fingers inwardly to a locking position and holding them in said locking position for the engagement between the said locking

surface and the said locking fingers to draw said male member into said female member and hold said male member in said defined position therein.



Compl. specn. 16 pages

Drwgs. 6 sheets)



Compl. specn. 25 pages

Drg. 1 sheet)

Ind. Class : 99-E—[GROUP-XL(4)]

170280

Int. Cl.⁴ : B 65 D 83/14.

A METHOD OF PRODUCING A SHAPED ARTICLE FOR DISPENSING VAPOUR OF A VOLATILE LIQUID.

Applicant : RECKITT & COLMAN PRODUCTS LIMITED, A BRITISH COMPANY, OF ONE BURLINGTON LANE, LONDON, GREAT BRITAIN-W4 2RW.

Inventors : (1) RODNEY THOMAS FOX
(2) PHILIP WILLIAM GOREHAM.

Application No. 649/Mas/87 filed September 7, 1987.

Convention date : September 12, 1986; (No. 8622046; Great Britain).

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, Madras.

25 Claims

A method of producing a shaped article for dispensing vapour of a volatile liquid comprising shaping aporous body from materials such as herein described, closing the pores of at least part of the surface of the said shaped porous body with at least one cross-linked organo-polysiloxane material, the said cross-linked organo-polysiloxane material being predominantly an elastomer, prepared by vulcanisation of prepolymer or oligomer having a viscosity in the range of 100 to 1,000,000 mm²/s at 25°C.

Ind. Class : 55-D₂—[GROUP-XIX(1)]

170281

Int. Cl.⁴ : A 01 N 25/26.

A PROCESS FOR PREPARING A WATER-FLOATABLE SOLID INSECTICIDAL COMPOSITION.

Applicant : TAKEDA CHEMICAL INDUSTRIES, LTD., OF 3-6, DOSHOMACHI 2-CHOME, CHUO-KU, OSAKA, JAPAN, A JAPANESE COMPANY.

Inventors : (1) HISASHI OBAYASHI
(2) TETSUO OKAUOHI
(3) NORIO NAITO.

Application No. 658 Mas/89 filed September 1, 1989.

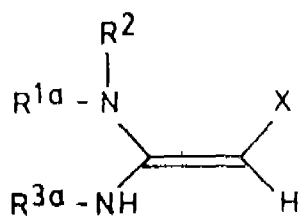
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

7 Claims

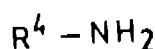
A process for preparing a water-floatable, solid insecticidal composition comprises mixing 0.5 to 30 parts by weight of composition, a carbamate represented by the formula :

R-NHCOO-Ar

carbonyl, heterocycleoxycarbonyl, C1-4 alkylsulfonyl which is substituted by halogen, sulfamoyl or diC-1-4 alkylsulfonyl-thiocarbamoyl group; the said process comprises reacting a compound of the formula II of the accompanying drawings



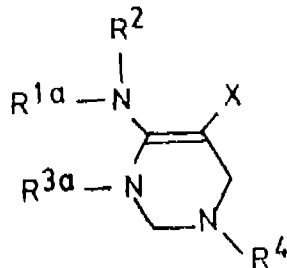
Formula-II



Formula-III

or its salt: wherein R1a, R2, R3a and X have the same meanings as defined above; with 1.0 to 10 equivalents based on the compound of formula II of the accompanying drawings of an amine of the formula III of the accompanying drawings or its salt: wherein R⁴ has the same meaning as defined above; and 2.0 to 20 equivalents based on the compound of formula II of the accompanying drawings of formaldehyde in the absence of a solvent or in a proper solvent at 0 to 100°C.

The compounds prepared according to this invention are useful as pesticides.



Formula-X

(Compl. Specn 55 Pages.

Drgs. 7 Sheets.)

Ind. Class : 32-F.2(b)—[GROUP—IX(1)]

170285

Int. Cl.⁴ : C 07 D 277/54.

A PROCESS FOR PREPARING SUBSTITUTED THIAZOLES.

Applicant : MONSANTO COMPANY, A DELAWARE CORPORATION, RESIDING AT 800 NORTH LINDBERGH BOULEVARD, ST. LOUIS MISSOURI 63167, UNITED STATES OF AMERICA.

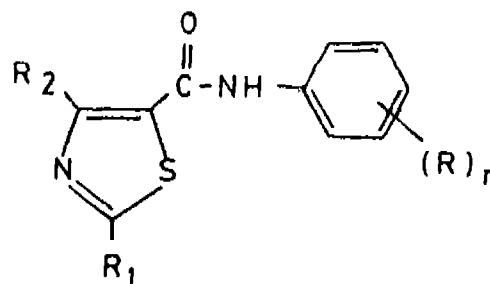
Inventors : (1) GERHARD HORST ALT (2) WENDELL GARY PHILLIPS (3) JOHN KENNEDY PRATT (4) GABRIEL HANNA SROJI.

Application No. 867/Mas/89 filed 28th November, 1989.

Appropriate office for opposition proceedings (Rule, 4, Patents Rules, 1972), Patent Office, Madras Branch.

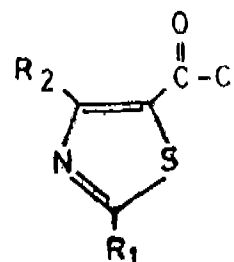
5 Claims

A process for preparing substituted thiazoles of having the formula I of the accompanying drawings



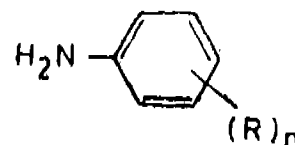
Formula-I

wherein each R is independently halo, halomethyl, 1-haloethyl, halomethoxy, 1-haloethoxy, halomethylthio, 1-haloethylthio, pentafluorosulfur, halomethylsulfinyl, halomethylsulfonyl, 1-haloethylsulfonyl, nitro, cyano, methylthio, ethylthio, methylsulfinyl, ethylsulfinyl, methylsulfonyl, ethylsulfonyl, lower alkyl, lower alkoxy, lower alkylcarbonyl, or lower alkoxy carbonyl, R₁ and R₂ are independently methyl, ethyl, or halomethyl, provided that at least R₁ or R₂ is halomethyl; and n is an integer from 1 to 5; comprising reacting in a solvent a thiazole of the formula V of the accompanying drawings.



Formula-V

wherein R₁ and R₂ have the meaning given above, with an aniline of the formula VI of the accompanying drawings



Formula VI

wherein R and n have the meanings given above.

The compounds of this invention are useful as fungicides.

(Compl. Specn. 37 Pages.

Drgs. 8 Sheets.)

Ind. Class : 32-F.2(b)—[GROUP—IX(1)]

170286

Int. Cl.⁴ : C 07 D 277/36

PROCESS FOR THE PREPARATION OF 2-MERCAPTO-4-METHYL-1, 3-THIAZOLE-5-YL-ACETIC ACID AND ESTERS THEREOF

Applicant : HOECHST AKTIENGESELLSCHAFT, A CORPORATION ORGANIZED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) GERHARD KORB (2) HANS-WOLFRAM FLEMMING.

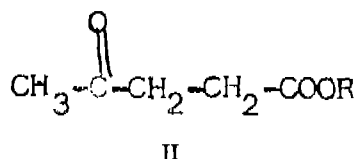
Application No. 913/Mas/89 filed on 11th December 1989.

Appropriate office for opposition proceedings (Rule, 4, Patents Rules, 1972, Patent Office, Madras Branch.

8 Claims

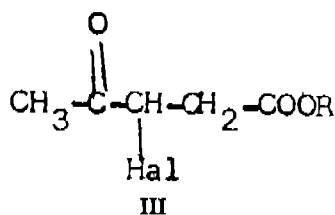
A process for the preparation of 2-mercapto-4-methyl-1,3-thiazol-5-yl-acetic acid or an alkyl ester thereof having formula I of the accompanying drawing in which R is hydrogen or C₁-C₄-alkyl comprising the steps of :

(a) halogenating a levulinic acid ester of the formula

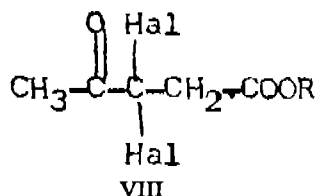


in which R is C₁-C₄-alkyl,

(b) separating from the resulting reaction mixture by rectification under reduced pressure, a fraction which essentially consists of the desired 3-halogeno compound of the formula



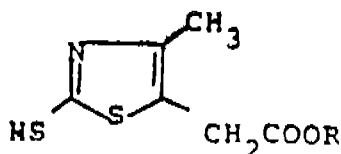
and in a small amount the 3,3-dihalogeno compound of the formula



in which R is as defined above and Hal is chlorine, bromine or iodine,

(c) reacting the said fraction obtained from step (b) with ammonium dithio-carbamate in a solvent immiscible or sparingly miscible with water such as herein before described in the presence of a phased transfer catalyst such as herein before described at a temperature in the range of -10 to 60°C to give a compound of the formula I in which R is C₁-C₄-alkyl, and

(d) if desired converting in a known manner the resulting ester into a compound of the formula I in which R is hydrogen.



Formula (I)

The compounds prepared according to this invention are useful in the preparation of cefodizime and immunomodulators.

Compl. Specn. 16 Pages.

Drgs. 1 Sheet.

CLASS : 32-F.4-[GROUP-IX(1)]

170287

Int. Cl.⁴ : C 07 C 154/00

A METHOD OF PREPARING STABILIZED PARTICLES OF ONE OR MORE THIOCARBONATES IN THE FORM OF SALTS, THIOESTERS OR COMPLEXES.

Applicant : UNION OIL COMPANY, OF CALIFORNIA, A CORPORATION OF THE STATE OF CALIFORNIA, OF 1201 WEST 5TH STREET, LOS ANGELES, CALIFORNIA 90017, U.S.A.

Inventors : (1) RICHARD L. PILLING (2) DONALD C. YOUNG.

Application No. 925/Mas/89 filed on 15th December 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims (No drawing)

A method of preparing stabilized particles of one or more thiocarbonates in the form of salts, thioesters or complexes conforming to the formula



wherein M is hydrogen, a cationic salt forming moiety or the organic moiety of a mercaptan, a is between 1 and 4, b is between 3 and 9, c is the valence of C_aS_b and y is the valence of M, comprising forming the said thiocarbonate particles in a known manner; in a medium in which the thiocarbonate is stable and substantially insoluble, removing water, carbondioxide and/or oxygen from said thiocarbonate particles in a known manner dispersing the said thiocarbonate particles free of water, carbondioxide and/or oxygen in wax, oil or grease to avoid contact with water, carbondioxide and oxygen from environment.

Comp. 23 pages.

CLASS : 32 F 2(b) [GROUP IX (1)]

170288

Int. Cl.⁴ : C 07 C 129/08

PROCESS FOR THE PREPARATION OF THE GUANIDINE DERIVATIVE OR SALT THEREOF.

Applicant : TAKEDA CHEMICAL INDUSTRIES, LTD., 3-6, DOSHOMACHI 2-CHOME, CHUOKU, OSAKA, JAPAN, A JAPANESE COMPANY.

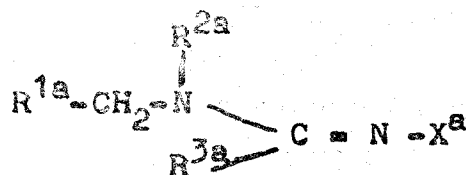
Inventors : 1. HIDEKI UNEME 2. KOICHI IWANAGA 3. NORIKO HIGUCHI 4. ISAO MINAMIDA 5. TETSUO OKAUCHI.

Application No. 928/Mas/89 filed on 18th December, 1989.

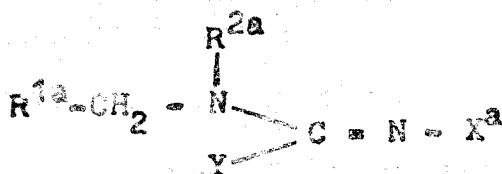
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A process for the preparation of the guanidine derivative of formula^a of the accompanying drawings

Formula I^a

or salt thereof comprises reacting a compound of the formula II of the accompanying drawings, wherein R^{1a}



Formula I

is an optionally substituted heterocyclic group, R^{2a} is hydrogen atom or an optionally substituted hydrocarbon group, X^a is nitro group or trifluoroacetyl group, or a salt thereof and Y is a leaving group such as herein described or salt thereof, with ammonia or a primary or secondary amine, or salt thereof at a temperature of 20°C to 150°C for 10 minutes to 50 hours, and recovering the product by any known manner.

Comp. Specn 60 pages

Drgs. 10 sheet

CLASS : 55-D.2-[GROUP-XIX(1)]

170289

Int. Cl.⁴ : A 01 N 57/10

A PROCESS FOR PREPARING A BIOCIDAL THIO-PHOSPHATE SOLUTION SUBSTANTIALLY FREE OF MERCAPTAN.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC, OF IMPERIAL CHEMICAL HOUSE MILLBANK, LONDON, SW1P 3JF, ENGLAND, A COMPANY ORGANISED UNDER THE LAWS OF U.K.

Inventors : (1) CHIA-CHUNG CHEN (2) RICHARD H RIDER (3) RAY J LO.

Application No. 952/Mas/89 filed on 29th December 1989.

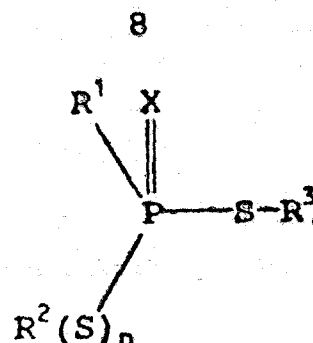
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

18 Claims

A process for preparing a biocidal thiophosphate solution substantially free of mercaptan, comprising the steps of :

(a) contacting a first solution of one or more compounds selected from alkali, alkaline earth metal hydroxide, alkaline earth metal iodates and hypochlorates in a first solvent

with a second solution containing a thiophosphate compound of formula II of the accompanying drawing



Formula II

in which R¹ is methyl or ethyl, R² is a tertiary alkyl having 4 to 6 carbon atoms, R³ is tertiary alkyl having 4 to 6 carbon atoms, X is sulfur or oxygen and n is zero or one, in a second solvent substantially immiscible with first solvent to convert all mercaptan in said second solution to the corresponding oxide or alkali metal mercaptide in said first solution;

(b) separating said first solution from said second solution of thiophosphate free of mercaptan.

Comp. 17 pages

Drgs. 1 sheet

CLASS : 128-F-[GROUP-XIX(2)]

170290

Int. Cl.⁴ : F 16 L 55/14

FLOW REGULATOR FOR DRIP INFUSION.

Applicant & Inventor : LIANG TUNG HU, OF 3F, NO. 248, SEC. 4, SINYI ROAD, TAIPEI CITY, TAIWAN, REPUBLIC OF CHINA, OF TAIWANESE NATIONALITY.

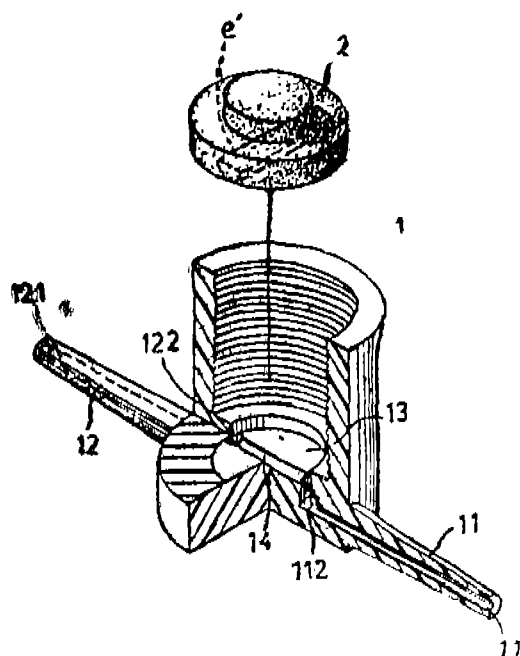
Application No. 614/Mas/87 filed on 24th August 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

5 Claims

A flow regulator for drip infusion comprising a flow path with both ends respectively connected to an upstream hose coming from a dripping infusion set and to a downstream hose leading to an injecting needle, and flow regulating means which varies the effective flowing section of said flow path to control the flow rate of the liquid flowing through the regulatory by actuating means for acting on pressing means to press a ridge (e') against said flow path, said ridge (e') extending perpendicular to said flow path, said actuator means producing a pressing action by a hollow threaded knob (f') with an open end and a closed end, in which there is provided a plunger (d') which has a pointed end contacting with the inner side of the closed end of said knob (f') and a flat end pointing towards said flow path, said plunger (d') being perpendicular to said flow path and said ridge (e'), said flow regulating means being such that the rotation of said knob (f') can produce a torsionless axial thrust from said plunger (d') toward said flow path, said flow regulator being characterized by a rigid main body (1) in the form of a hollow cylinder with an open upper end and a closed lower end with two diametrically opposite projections (11 and 12) near the lower end thereof, each of said projections (11 and 12) being internally provided with a canal (111, 121) and being open at the distal ends thereof to respectively connect with an upstream hose and a downstream hose, the lower closed end of said main body having a flat inner bottom at a level slightly higher

than said two canals (111 and 121), said bottom being provided with a groove (14) with a V-shaped cross section, said groove (14) extending in the direction of said projections (11 and 12), each of the ends of said groove (14) being provided with a hole (112, 122) extending in the axial direction of said main body (1) to respectively communicate with the proximal end of each of said canals and being contiguous thereto, thereby defining an omega-shaped flow path, said pressing means being a flexible disc (2) received in said main body (1) between said flat inner bottom and said plunger (9d') substantially equal to the diameter of the interior of the main body (1), said ridge (e') being flexible and integrally formed on one side of said flexible disc (2) and being received within and substantially equal to the entire length of said groove (14), the other side of said flexible disc (2) opposite to said ridge (e') being in direct contact with the flat end of said plunger (d) to allow said actuating means to deform said ridge (e) within said groove (14) to regulate the flowrate through said flowpath



Comp 14 pages

Drgs 7 sheets

CLASS : 32 A₂ [GROUP IX (1)]

170291

Int. Cl.⁴ : C 09 B 69/04

A PROCESS FOR PREPARING ANIONIC CYCLODIYLIDE COMPOUNDS.

Applicant : CIBA-GEIGY AG, A SWISS CORPORATION, OF KLYBECKSTRASSE 141, 4002 BASLE, SWITZERLAND.

Inventors : (1) RUDOLF NAEF (2) CLAUDE ECKHARDT.

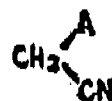
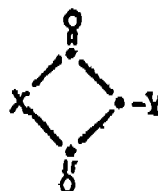
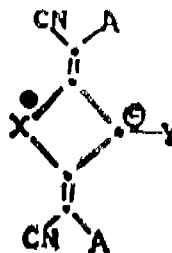
Application No. 786/Mas/87 filed on 30th October, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A process for preparing an anionic cyclodiylide compound of formula I of the accompanying drawings in which X is a substituted or unsubstituted, 5- and/or 6 membered monocyclic or polycyclic aromatic or heteroaromatic radical, Y is hydrogen, a substituted or unsubstituted alkenyl, alkyl or cycloalkyl radical having 1 to 6 carbon atoms, a 5- and/or 6-membered monocyclic or polycyclic aromatic or hetero-

aromatic radical, A is CN or a carbonyl compound, M⁺ is an alkali metal or ammonium ion, subject to the proviso that X is not unsubstituted phenylene when Y is hydrogen or unsubstituted phenyl comprises reacting a compound of the formula II of the accompanying drawings in which X and Y are as defined above in known protic solvents with the compound of the formula III of the accompanying drawings in which A is as defined above, at a temperature between 10°C to the boiling point of the said protic solvents and in the presence of a catalyst to obtain a reaction product followed by precipitating the anionic cyclodiylide compound of formula I in a solution of alkali metal salts or ammonium salts.



Comp. Specn. 12 pages

Drgs. 2 sheets

CLASS : 146-D₈-[GROUP-XXXVIII(2)]

170292

Int. Cl.⁴ : G 02 B 1/10

A PROCESS FOR PREPARING A DURABLE ANTI-REFLECTOR HAVING IMPROVED TRANSMISSION FOR INFRA-RED RAYS.

Applicant : INDIAN SPACE RESEARCH ORGANISATION, DEPARTMENT OF SPACE, CAUVERY BHAVAN, KEMPEGOWDA ROAD, BANGALORE-560 009, KARNATAKA, INDIA.

Inventors : (1) CHANNAMALIAPPA LINGARAJU NAGENDRA (2) THUTUPALLI GOPALAKRISHNA MURTHY.

Application No. 789/Mas/87 filed November 2, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims (No drawing)

A process for preparing a durable antireflector having improved transmission for infra-red rays comprising the steps of

a. cleaning a substrate of germanium, silicon or gallium arsenide in a conventional manner;

b. depositing a binder layer of germanium of thickness 100—1500 Å on the cleaned substrate in a manner known *per se*; and

c. depositing on the said substrate with the binder layer, an antireflection layer of a substance selected from the group consisting of zinc sulphide, zinc selenide, cadmium telluride, cadmium selenide, arsenic trisulphide and arsenic triselenide to a desired thickness in a known manner.

Comp. 19 pages.

CLASS : 32 F 3(c) [GROUP IX (1)]

170293

Int. Cl.⁴ : C07C 29/14

AN IMPROVED HETEROGENOUS VAPOR PHASE PROCESS FOR PRODUCING AN ALCOHOL.

Applicant : UNION CARBIDE CORPORATION, MANUFACTURERS, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, WITH OFFICES AT 39 OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT 0 6817, UNITED STATES OF AMERICA.

Inventors : (1) JOHN EARL LOGSDON (2) RICHARD ALLEN LOKE (3) JAY STEUART MERRIAM (4) RICHARD WILLIAM VOIGHT.

Application No. 795/Mas/87 filed on 3rd November, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

In a heterogenous vapor phase process for producing an alcohol by contacting a mixture of a vapour stream of the corresponding aldehyde and a hydrogen-containing gas with a calcined solid hydrogenation catalyst the improvement comprising employing as said hydrogenation catalyst a composition which consists essentially of a mixture of reduced

copper oxide-zinc oxide impregnated with a selectivity enhancer added in the form of hydroxide or salts, said selectivity enhancer is selected from the group consisting of :

(a) between 0.05 and 7.0 per cent by weight of an alkali metal selected from the group consisting of potassium, lithium, cesium and mixtures thereof,

(b) between 0.5 and 5.0 per cent by weight of a transition metal selected from the group consisting of nickel, cobalt and mixtures thereof, and

(c) combination of (i) between 0.5 and 7.0 per cent by weight of an alkali metal selected from the group consisting of sodium, potassium, lithium, cesium and mixtures thereof and (ii) between 0.5 and 5.0 per cent by weight of a transition metal selected from the group consisting of nickel, cobalt and mixture thereof.

Comp. Specn. 27 pages

Drgs. Nil

CLASS : 206 F [GROUP LXII]

170394

Int. Cl.⁴ : H 04 N 7/13

A VIDEO CODING APPARATUS.

Applicant : BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY, 81 NEW GATE STREET, LONDON, EC1A 7AJ, ENGLAND.

Inventor : ANTHONY RICHARD LEANING.

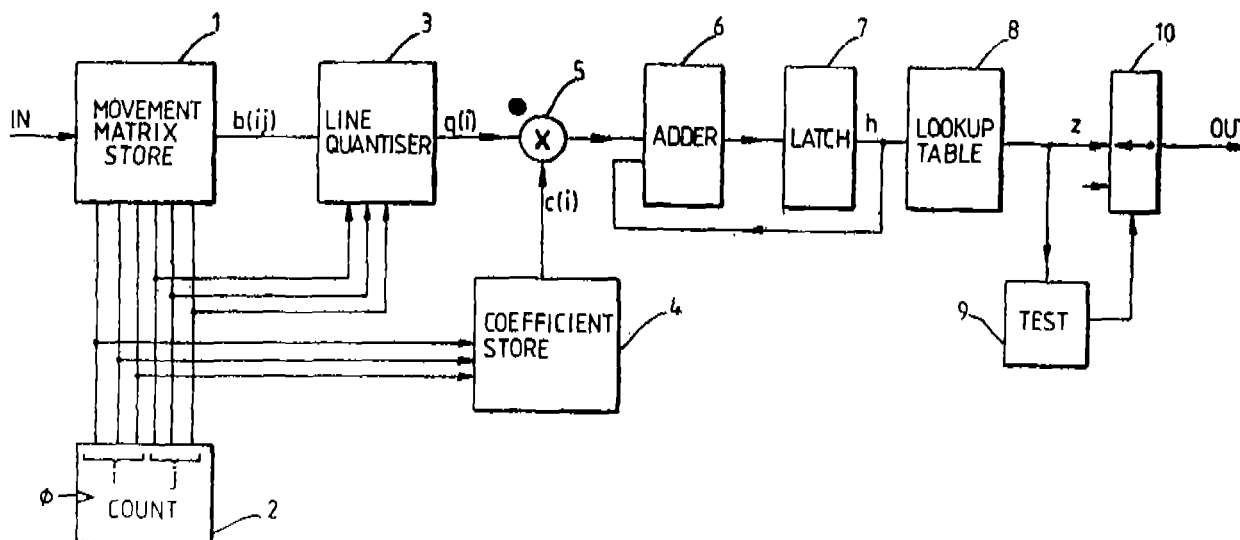
Application No. 827/Mas/87 filed on 17th November, 1987.

Convention date 20-11-1986 No. 8627787 (United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A video coding apparatus having inter-frame coding means and means for generating a movement matrix indicating those elements of a picture pattern which have substantially changed between frames, means for classifying a set of values representing a two dimensional pattern consisting of a summation means for forming a weighted sum, a modulus X of those values where x is an integer less than 2^p , p being the number of values in the set and a store having x locations each containing a class identification word representing one of said standard patterns, the address inputs of said store being connected to the output of the summation means for classifying such matrices, and means for transmitting to a receiver, for each picture pattern, the corresponding class identification word and information concerning elements of the picture pattern selected according to the standard pattern associated with that class identification word.



Comp. Specn 16 pages

Drgs. 5 sheets

CLASS : 39K 47A-[GROUP-III & XXXII(1)] 170295

Int. Cl.⁴ : C 10 B 49/00, C 01 B 17/00

A PROCESS FOR THE COPRODUCTION OF A COMBUSTIBLE FIRST GAS STREAM AND A SULFUR-CONTAINING SECOND GAS STREAM FOR THE PRODUCTION OF SULFURIC ACID.

Applicant : FLORIDA INSTITUTE OF PHOSPHATE RESEARCH, AN AGENCY OF THE STATE OF FLORIDA, OF 1185 WEST MAIN STREET, BARTOW, FLORIDA 33803, U.S.A.

Inventors : (1) JEROME HERBERT MARTEN (2) TIMOTHY J KENDRON.

Application No. 836/Mas/87 filed November 19, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

A process for the coproduction of a combustible first gas stream and a sulfur-containing second gas stream for the production of sulfuric acid, comprising the steps of :

(a) heating coal in the presence of an oxygen-lean atmosphere at a temperature of 700°C to 1100°C under partial coal-gasifying conditions to produce a solid carbonaceous char and a crude gas stream containing gaseous sulfur-containing compounds;

(b) separating the gaseous sulfur-containing compounds from the crude gas stream by cooling to produce a combustible first gas stream and converting the separated sulfur-containing compounds to a solid sulfur-containing material by further cooling in a known manner;

(c) forming a feed mixture by combining the solid carbonaceous char in an amount to produce a carbon concentration in the feed mixture of 3 to 11% by weight from step (a) and the solid sulfur-containing material from step (b) with 50 to 80% by weight of gypsum such that the non-gypsum portion of the feed mixture is able to reduce sulfur in the gypsum to gaseous compounds of sulfur in a +4 or lower oxidation state;

(d) heating the feed mixture from step (c) at a temperature of 1100°C to 1500°C under reducing conditions to produce sulfur-containing second gas stream.

Comp. 31 pages

Drgs. 4 sheets

CLASS : 97-C-[GROUP-LIX(2)] 170296

Int. Cl.⁴ : H 05 B 3/10

ELECTRICAL HEATING CABLE AND A METHOD OF MANUFACTURING THE SAME.

Applicant : THERMON MANUFACTURING COMPANY INCORPORATED IN THE STATE OF TEXAS, OF 100 THERMON DRIVE, SAN MARCOS, TEXAS 78666, U.S.A.

Inventors : (1) DAVID CURTIS COSS

(2) CHANDRAKANT MANI SHANKAR

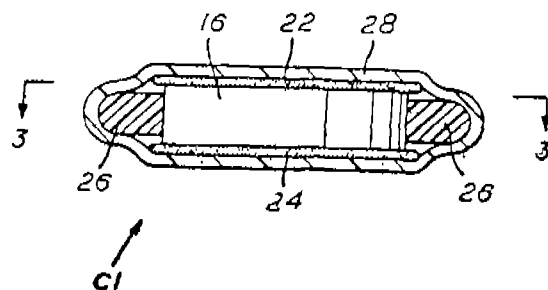
Application No. 839/Mas/87 filed November 20, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

14 Claims

An electrical heating cable to provide heat to pipes, tanks and the like, comprising : first and second conductor means extending parallel and spaced from each other along the length of the cable for conveying electrical current and for conducting heat, each of said conductor means having a substantially flat elongated electrical conductor; heating means having a plurality of chips of variable resistance heating material electrically connected between said first and second

conductor means at longitudinally spaced locations for producing heat when current flows therethrough, said variable resistance chips substantially increasing in resistance when a temperature limit is reached to reduce the current flowing through said heating means and control the heat output of the cable; and means for preventing contact between said first and second conductor means along the length of the cable.



(Com.—18 pages;

Draws.—3 sheets)

CLASS : 32E-[GROUP-IX(1)]

170297

Int. Cl.⁴ : C 08 F 14/06

PROCESS FOR THE PREPARATION OF A VINYL CHLORIDE HOMO/COPOLYMER LATEX.

Applicant : ATOCHEM, A FRENCH BODY CORPORA-
TE, OF LA DEFENSE 10, 4 & 8 COURS MICHELET,
92800 PUTEAUX, FRANCE.

Inventor : DANIEL BRULET.

Application No. 842/MAS/87 filed November 23, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims (No drawing)

Process for the preparation of vinyl chloride homo/copolymer latex, which comprises polymerizing the corresponding monomer(s) in micro suspension in an aqueous medium in the presence of at least one seed polymer prepared before the start of the said polymerization by polymerization in micro suspension, such that the concentration of vinyl chloride monomer in the aqueous medium, during 50 to 100% of the duration of the polymerization period does not exceed 30% of the vinyl chloride employed.

(Com.—20 pages)

CLASS : 69-K-[GROUP-LIX(1)]

170298

Int. Cl.⁴ : H 01 H 71/02

A MULTIPHASE ELECTRICAL GAS EXPANSION CIR-
CUIT BREAKER.

Applicant : MERLIN GERIN, A FRENCH COMPANY,
OF RUE HENRI TARZE- F 38050 GRENOBLE, CEDEX,
FRANCE.

Inventors : (1) MARSALA LUCIEN

(2) MARZOCCA JOSEPH

(3) PERRISSIN GERARD

(4) ROBERT JEAN-PAUL

Application No. 23/MAS/88 filed January 13, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

A multiphase electrical gas expansion circuit breaker, having a plurality of arc extinguishing chambers arranged parallel to one another side by side in a cubicle with a sealed enclosure filled with a high dielectric strength gas, the arc extinguishing chamber of each phase of the circuit breaker comprising :

— a closed housing in which a gas pressure rise takes place due to the action of the arc,

— and a pair of separable aligned contacts extending in the direction of the longitudinal axis of the housing,

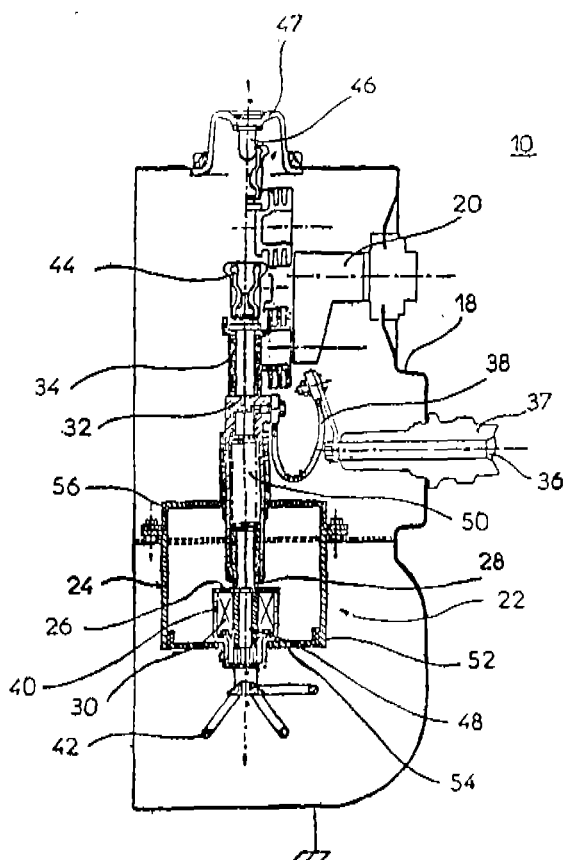
characterized in that each arc extinguishing chamber has :

— at least one hollow contact to ensure communication between the housing (24) and the expansion volume of the sealed enclosure (18),

— a metal shielding wall (52) arranged around the housing (24) for counteracting the influence of the magnetic stray fields of the adjacent poles, said wall (52) having a lateral revolution surface for centering the arc so as to cause outflow of the gas to the expansion volume through said hollow contact (26, 28),

— magnetic blow-out means comprising an electro-magnetic coil or a hollow permanent magnet (30) located in each arc extinguishing chamber causing arc rotation on a track formed by an annular electrode which is coaxially surrounded by the shielding wall (52),

— said electrode being electrically connected to the stationary contact (26) extending along the front face of said magnetic blow-out means, and disposed facing the movable contact (28).



(Com.—13 pages;

Drwgs.—4 sheets)

CLASS : 48 C [GROUP LVIII (3)]

170299

Int. Cl.⁴ : B 65 B 11/52 & H 02 G 15/18.

A HEAT RECOVERABLE TUBULAR OR WRAP-AROUND SLEEVE.

Applicant : N. V. RAYCHEM S.A., A COMPANY ORGANISED ACCORDING TO THE LAWS OF BELGIUM OF DIESTSESTEENWEG 602, 3200 KESSEL-LO, BELGIUM.

Inventors : (1) OVERBERGH NOEL MARCEL MICHIEL
(2) VANCANT JAN LODEWIJK M F G

Application No. 77/MAS/88 filed on 8th February, 1988.

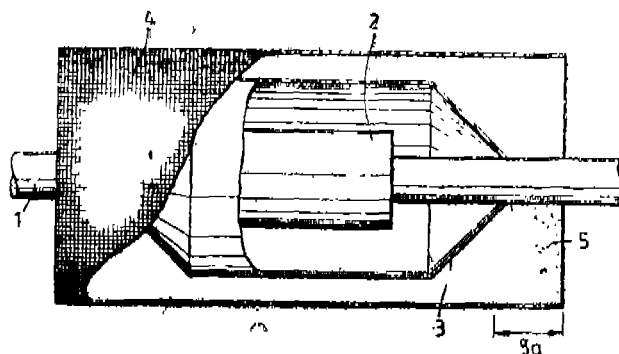
Convention dated 9-2-1987 No. 8702833 (United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

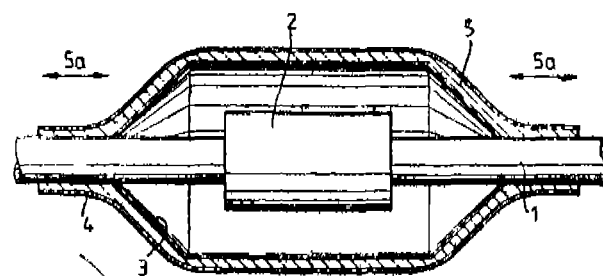
17 Claims

A heat-recoverable tubular or wrap-around sleeve having a recovery ratio in the range of 40 to 87.5% and being suitable for enclosing a junction between elongate substrates, which comprises :

- a polymeric matrix material; and
- a recoverable fabric by virtue of which the sleeve is recoverable and which is rendered impervious by the matrix material, comprising heat recoverable weft fibres extending around the circumference of the sleeve in bundles of 2—6, and non recoverable warp fibers extending along the length of the sleeve.



APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS



(Com. Spec.—25 pages;

Drgs.—3 sheets)

CLASS : 83-A₍₁₎ & (8) [GROUP—XIV(5)]

170300

Int. Cl.⁴ : A 23 J 1/00

A PROCESS FOR THE PRODUCTION OF A HYDROLYSED PROTEIN.

Applicant : SOCIETE DES PRODUITS NESTLE SA, A COMPANY INCORPORATED IN SWITZERLAND OF CASE POSTALE 353, 1800 VEVEY, SWITZERLAND.

Inventors : (1) PAUL-EMILE CORNET
(2) REBECCA SUI-CHUN SO
(3) JOHN STEWART TANDY

Application No. 740/MAS/89 filed October 6, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims (No drawing)

A process for the production of a hydrolysed protein comprising hydrolysing a plant or animal protein with hydrochloric acid at a temperature from 70°C to 140°C under elevated pressure upto 100 psig at a duration from 2 to 12 hours to form a slurry filtering the said slurry and treating the filtrate with alkali to raise the pH to the range of 8 to 14, maintaining the pH for a period sufficient to reduce the content of chlorinated compounds in the said slurry and thereafter readjusting the pH in the range of 4 to 7 to produce hydrolysed protein.

(Com.—11 pages)

OPPOSITION PROCEEDINGS

The opposition entered by M/s. Methodex Infres Private Limited to the grant of patent on the application for Patent No. 163277 made by M/s. Unitek Copiers Private Limited as notified in the Gazette of India, Part III, Section 2 dated 1st April, 1989 has been allowed and the grant of a patent on the application has been refused.

The Opposition entered by M/s. Steelworth Private Limited to the grant of a Patent on Application No. 164982 made by M/s. Trade and Industry Private Limited as notified in the Gazette of India, Part III, Section 2 dated 3rd February, 1990 has been refused and it is ordered that the application for Patent No. 164982 shall be sealed with some amendments in the specification.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

Claim made by THE HASER COMPANY LIMITED Under Section 20(1) of the Patents Act, 1970 in connection with Patent Application No. 746/MAS/87 (170273) in their name has been allowed.

Claim made by GEC PLESSEY TELECOMMUNICATIONS LIMITED U/S 20(1) of the Patents Act, 1970 in connection with the Patent Application No. 744/Mas/87 (170274) in their name has been allowed.

PATENT SEALED

160418 161148 161212 161231 161410 161648 161978 162260
167128 167129 167130 167942 167952 167965 167977 168152
168193 168199 168204 168205 168242 168309 168433 168434
168436 168438 168439 168440 168442 168454 168456 168497
168498 168499 168501 168502 168503 168504 168505 168523
168524 168526 168528 168530 168534 168541 168542 168544
168546 168547

Cal—25

Del—12

Mas—10

Bom—09.

AMENMENT PROCEEDINGS UNDER SECTION 57

The amendments proposed by "NEYRPIC", a French Societe Anonyme in respect of application for Patent No. 165745 as advertised in Part III, Section 2 of the Gazette of India dated the 24th February, 1990 have been allowed.

The amendment proposed by Mr. Hemant Madhukar Ranadive, Indian National of Hathari Mahajan Wadi, Ranade Road, Dadar, Bombay-400028, Maharashtra, India in respect of patent application No. 168847 (213/BOM/1989) advertised in Part III, Section 2 of Gazette of India dated 14-9-91 have been allowed.

Proposed amendments under Section 57 of the Patents Act, 1970 in respect of Patent Application No. 168888 (1021/MAS/86) as advertised in the Gazette of India dated 14-9-91 have been allowed.

Notice is hereby given that RWL-DEA AKTIENGESellschaft für Mineralöl und Chemie formerly known as DEUTSCHE TEXACO AG, a Germany Company of Unter den Eichen 40, 2000 Hamburg 90, Germany, have made an application under Section 57 of the Patents Act, 1970, for amendment of application and specification of their application for Patent No. 169182 for "AN IMPROVED PROCESS FOR DISTILLATIVE PURIFICATION OF ORGANIC COMPOUNDS SELECTED FORM METHYL TERT-BUTYL ETHER, SEC-BUTYL ALCOHOL AND METHYL ETHYL KETONE". The amendments are by way of correction. The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on the prescribed Form-30 within 3 months from the date of the Notification at the Patent Office, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

Notice is hereby given that GULLICK DOBSON LIMITED, A British Company of, P.O. Box 12, Ince, Wigan, Lancashire, England, have made an application under Section 57 of the Patents Act, 1970, for amendment of application and specification of their application for Patent No. 466/MAS/87 (169709) for "A ROOF ENGAGING STRUCTURE FOR A MINE ROOF SUPPORT." The amendments are by way of correction. The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on prescribed Form-30 within 3 months from the date of the Notification at the Patent Office, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition it shall be left within one month from the date of filing the said Notice.

Notice is hereby given that STEERIMATIC HOLDING LIMITED, a British Virgin Islands Company, of P.O. Box 91, Craigmuir Chambers, Road Town, Tortola, British Virgin Islands, have made an application under Section 57 of the Patents Act, 1970 for amendment of application and specification of their application for Patent No. 766/MAS/87 (170152) for "A DISPOSABLE SYRINGE". The amendments are by way of correction. The Application for amendments and the proposed amendments can be inspected free of charge at the Patent Office Branch, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on the prescribed Form-30 within 3 months from the date of the Notification at the Patent Office, Madras-2. If the Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

REGISTRATION OF ASSIGNMENTS LICENCES, ETC. (PATENTS)

Assignments, Licences or other transactions affecting the interest of the original patentees have been registered in the following cases.

The number of each case is followed by the name of the parties claiming interest:—

161887—MADAN KRISHNA KAMAT.

Assignments, Licences or other transactions affecting the interest of the original patentees have been registered in the following cases.

The number of each case is followed by the name of the parties claiming interest :—

163545—UNISTRUT. International Corporation.

RENEWAL FEES PAID

147307 147937 148194 149386 149740 150066 150134 150156
150182 150606 150834 150880 150896 150903 151268 151276
151376 151790 151979 152184 152343 152501 152642 152970
153201 153247 153285 153538 153857 153954 154041 154057
154058 154368 154542 154863 155054 155164 155391 155504
155571 155856 156084 156166 156197 156262 156401 156509
156600 156618 156766 156934 156964 157335 157404 157551
157550 157590 157633 157659 157762 157830 158029 158191
158302 158362 158453 158622 158781 158800 159242 159261
159262 159356 159499 159511 159601 160080 160154 160242
160305 160428 160982 161105 161106 161314 161315 161404
161610 161634 161640 161679 161693 161855 162313 162568
162747 162804 162832 162862 163092 163158 163324 163376
163452 163506 163537 163540 163620 163726 163752 163787
163852 163854 163924 163926 163981 163987 164012 164064
164121 164123 164131 164181 164403 164509 164517 164622

164936 164993 165028 165221 165388 165466 165467 165473
165494 165580 165652 165704 165967 166121 166134 166138
166467 166509 166564 166591 166623 166680 166816 166819
166923 166954 166960 167083 167085 167138 167141 167216
167285 167330 167381 167393 167397 167398 167421 167425
167447 167463 167464 167471 167480 167546 167549 167550
167556 167580 167678 167703 167705 167707 167715 167775
167778 167779 167810 167829 167845 168202 168203 168210
168279 168562 168566 168567.

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 158097 dated the 23rd March 1982 made by Scripto Tokai, Inc on the 18th August 1988 and notified in the Gazette of India Part III, Section 2 dated the 4th February 1989 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 164173 dated the 30th August 1985 made by Sanden Corporation on the 4th May 1990, and notified in the Gazette of India Part III, Section 2 dated the 28-8-90 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of patent No. 168385 dated the 1st August 1985 made by Sanden Corporation on the 4th May 1990 and notified in the Gazette of India Part III, Section 2 dated the 29th September 1990 has been allowed and the said Patent restored.

SUBJECT-MATTER INDEX AS PER INTERNATIONAL CLASSIFICATION SYSTEM OF THE COMPLETE SPECIFICATION ACCEPTED AND NOTIFIED DURING THE YEAR 1990

[— Date of specification in 2nd column denotes ; Date of Complete specification/Anti date/Post date.

4 classes of Applicants Code in the 7th column, are the abridged forms : i.e. I = Indian Individuals ;

IC = Indian Company ; F = Foreign Individuals ; FC = Foreign Company.]

SECTION A

HUMAN NECESSITIES

No Case was accepted within the following classes :—

- A 01 B : Soil working in agriculture of forestry; Parts, details, or accessories of agricultural machines or implements, in general.
- A 01 D : Harvesting; Moving.
- A 01 H : New Plants.
- A 01 J : Manufacture of dairy products.
- A 01 L : Shoeing of animals
- A 21 B : Baker's ovens; Machines or equipments for baking.
- A 21 C : Machines or equipments for making or processing doughs; Handling baked articles made from dough.
- A 23 D : Butter substitutes; Edible oils or fats.
- A 23 G : Cocoa; Chocolate; Confectionary; Ice Cream.
- A 23 J : Protein compositions for food stuffs; Working up proteins for foodstuffs; Phosphatide compositions for food stuffs.
- A 23 N : Machines or apparatus for treating harvested fruit, vegetables, or flower bulbs in bulk, not otherwise provided, for ; Peeling vegetables or fruit in bulk; Apparatus for preparing animal feeding stuffs.
- A 24 F : Smokers' requisites; Match boxes.
- A 41 C : Corsets.
- A 41 F : Garment fastenings; Suspenders.
- A 41 G : Artificial flowers ; Wigs; Masks; Feathers.
- A 41 H : Appliances or methods for making clothes; e.g. for dress making, for tailoring not otherwise provided for.

A 42 : Headwear

- A 42 B : Hats; Head coverings.
 A 42 C : Manufacturing or trimming hats or other head coverings.
 A 43 C : Fastenings; Laces; Attachments.
 A 43 D : Machines; Tools; Equipments; Methods.
 A 44 C : Jewellery; Bracelets; Other personal adornments; Coins.
 A 45 B : Walking sticks; Umbrellas; Ladies or like fans.
 A 45 F : Travelling or Camp equipment.

A 46 : Brushware

- A 46 B : Brushes.
 A 46 D : Manufacture of brushes.
 A 47 D : Furniture specially adapted for children.
 A 47 F : Special furniture; fittings; or accessories for shops, storehouses, bars, restaurants, or the like; Paying counters.
 A 47 H : Furnishings for windows or doors.
 A 61 H : Physical therapy apparatus; e.g. devices for locating or stimulating reflex points in the body; Artificial respiration; Massage; Baths or washing devices for special purposes or specific parts of the body.
 A 62 C : Fire fightings.
 A 62 D : Chemical means for extinguishing fires or for combating or protecting against harmful chemical materials for use in breathing apparatus.
 A 63 D : Bowling alleys; Bowling games; Boccia; Bowls; Bagatelle; Billiards.
 A 63 F : Card; board, or roulette games; Indoor games using small moving playing bodies; Miscellaneous games.
 A 63 G : Merry go rounds; Swings; Rocking horses; Chutes, Switchbacks, Similar devices for public amusement.
 A 63 J : Devices for theatres, Circuses, or the like, Conjuring appliances or the like.
 A 63 K : Racing; Riding sports; Equipment or accessories therefor.

A 01 : AGRICULTURE; FORESTRY; ANIMAL HUSBANDRY; HUNTING; TRAPPING; FISHING.**A 01 C : PLANTING; SOWING; FERTILISING**

Specifica- tion No.	Date of Specifica- tion	Applicant for Patent	Title of the Invention	Date of Norifica- tion	Int. Class	Indian Classifica- tion	Applicant Code
1	2	3	4	5	6	7	8
166086	27-10-86	Indian Jute Industries Research Association.	Hand Pushed drill for Sowing Jute seeds	10-03-90	5/00 7/00,	5-A, D, E	IC.
166338	05-12-85	Kulikkarai Ganapathia Pillai Singaravelu	Apparatus for cowing seeds.	14-04-90	7/02.	5C	I.
166415	06-05-86	Solvay & Cie.	Coating device for coati- ing products such as seeds.	05.05-90	1/00, 1/06.	92D	FC.
A 01 F : Processing of harvested produce, Hay or straw processes, Devices for storing agricultural or horticultural produce.							
166139	22-01-86	Barrico Limited	Apparatus for Compact- ing fibrous material.	17-03-90	15/00	74	FC
A 01 G : Horticulture, Cultivation of Vegetables, flowers, rice, fruit vines, hops or seaweed; forestry, watering.							
165887	02-04-87	Premier Irrigation Equipment Ltd.	A flexible pipe for use in drip irrigation systems.	03-02-90	25/06	5D	IC

1	2	3	4	5	6	7	8
A 01 K : Animal Husbandry, Care of birds, fishes, insects, Fishing.							
166274	19-09-85	A. H. Robins Company incorporated	An Animal collar for controlling fleas and ticks on an animal.	07-04-90	13/00	11B	FC
A 01 M : Catching or trapping of animals; Apparatus for the destruction of noxious animals or noxious plants.							
165863	21-01-86	Melvin Millard Melton	Rodent Trap.	03-02-90	23/00	11D	F
166929	20-01-88	The Research Foundation of the State University of New York.	Insect Traps.	04-08-90	1/10	11 D Group I (2)	FC
167172	11-04-86	Robert Mc Queen	Crawling Pest Eliminator Apparatus.	15-09-90	7/00	11 C Group I (2).	F
A 01 N: Preservation of bodies of humans or animals or plants or parts thereof; Biocides, e.g. as disinfectants, as pesticides, acaricides; Pest repellants or attractants; Plant growth regulators							
**165950	12-11-87	American Cyanamid Company.	Process for the preparation of resin-coated, Non-sorptive, Granular, pesticidal compositions.	17-02-90	37/00.	55D	FC.
165969	09-10-85	Henkel, Kommanditgesellschaft Auf Aktien., Hoechst Aktiengesellschaft.	An Evaporation inhibitor composition for spray mixtures of agricultural Chemicals & process for preparing the same.	17-02-90	3/00.	55D ₂	FC
166068	03-08-87	Bhola Nath Mitra.	An Ayurvedic composition effective as an agent for promoting agricultural yields and a method for its preparation.	10-03-90	59/00, 61/00, 65/00.	123	I
166072	22-09-87	Hindustan Lever Ltd.	A Granular free-flowing plant growth material/stimulant composition and method and apparatus for making the same.	10-03-90	25/12	40F 61H+ 123	IC.
166200	06-07-88	Dr. R. NIHARENDU BIKAS SINHA	Process for preparation of novel detoxifying composition containing chelates	24-03-90	3/00	55D ₂	I
166371	17-04-86	AGRACEETUS	A Method of making an agriculturally useful inoculant of Dormant Bacteria.	21-04-90	65/00	55D ₂	FC
166476	12-12-85	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	A process for the preparation, of novel geraniol based diethers useful as insect control agents.	19-05-90	31/14	55D ₂	IC
166500	04-03-88	TAKEDA CHEMICAL INDUSTRIES LTD.	A process for the preparation of a stabilized agricultural composition	19-05-90	43/54 57/00	55D ₂	FC
166550	11-08-87	AMERICAN CYANAMID COMPANY	A method of preparing a novel aqueous herbicidal imidazolinone composition	02-06-90	43/50	32-F ₂ bx 55D ₂	FC

1	2	3	4	5	6	7	8
166552	12-11-87	AMERICAN CYANAMID COMPANY	A process for the preparation of pelletized pesticidal composition having improved dermal mammalian toxicity, improved insecticidal activity and extended residual effectiveness, for control of soil borne pests.	09-06-90	25/12, 55/00, 59/00, 61/00,	55D ₂	FC
166553	12-11-87	AMERICAN CYANAMID COMPANY	Process for the preparation of novel safened sorptive granular pesticidal resin compositions having reduced mammalian toxicity and residual activity, for control of soil borne pests.	09-06-90	25/00	55D ₂	FC
166555	22-12-87	BIOPOLYMERS LIMITED	A process for producing biocidal or biostatic compound.	09-06-90	25/00	55D ₂	FC
166600	09-12-87	(1) Dr. TANIKELLA SITARAMA SUBRAMANIAM (2) I.T.C. LIMITED	A process for the preparation of a humectant composition.	09-06-90	31/00	55D ₂	I, IC
166630	08-01-88	BIOFUTURA OY Ltd.	A method for producing a preparation suitable for being used for controlling the growth and preventing growth disturbances of plants.	23-06-90	35/00	55D ₂ , 173	FC
166819	22-02-88	TAKEDA CHEMICAL INDUSTRIES LTD.	A process for producing a stabilized solid insecticide composition.	21-07-90	25/08, 25/22.	55D ₂ , GROUP XIX(1)	FC
166820	01-03-88	TAKEDA CHEMICAL INDUSTRIES LTD.	A process for producing a stabilized solid insecticide composition.	21-07-90	25/08 25/22	55D ₂ , GROUP- XIX(1)	
166897	31-12-87	(1) DR. TANIKELLA SITARAMA SUBRAMANIAM (2) P.S.R. V. S. VITAL (3) I. T. C. LIMITED	A method of preparing a botanical composition.	04-08-90	65/00	55D ₂ , I-Group- XIX(1).	I, IC
166930	19-12-88	GIRIVAS VISWANATH SHET	A process for preparing an anti-mosquito lotion.	04-08-90	65/00	55D ₂ , I Group- XIX(1)	I.
166940	04-01-89	GIRIVAS VISWANATH SHET	A method of preparing an anti-mosquito powder.	11-08-90	65/00	55-A, Group- XIX(1).	I.
166949	08-04-88	TAKEDA CHEMICAL INDUSTRIES, LTD.	A process for preparing solid agrochemical composition.	11-08-90	25/08	25 D ₂ XIX(1)	FC
166950	08-04-88	TAKEDA CHEMICAL INDUSTRIES, LTD.	A process for the production of solid agrochemical composition capable of floating on the water.	11-08-90	25/08	55-D ₂ XIX(1)	FC
167067	04-05-88	SEARLE (INDIA) LIMITED	An improved process for the preparation of 2-arylomethyl ethers.	25-08-90	31/14	32 F ₃ (a) IX(1)+ 55 D ₂ — XIX(1).	IC.
**165852	31-12-85	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH	A process for the preparation of Geraniol based saturated diethers useful as new insect control agents.	27-01-90	31/14	55D ₂ , 32F ₃ (a)	IC

1	2	3	4	5	6	7	8
167139	24-07-86	SEARLE (INDIA) LTD.	A process for the preparation of aroyl ureas from aroyl thioureas.	01-09-90	47/34	32F 1-IX (1)+32F ₂ (a) LX (1)+55D ₂ XIX(1).	IC.
167140	24-07-86	SEARLE (INDIA) LTD.	A process for the preparation of aroyl ureas from aroyl thioureas	01-09-90	47/34	32F ₁ -IX (1)+ 32F ₂ (a)- LX(1)+ 55D ₂ XIX(1)	IC.
167197	15-04-88	SANDOZ LTD.	A process for preparing an insecticidal composition for the control of a cockroach population.	15-09-90	37/06, 57/00.	55D ₂ Group-XIX(1)	FC.
167365	02-05-88	SURGIKOS INC.	Method of preparing a synergistic dis-infecting and sterilizing composition.	13-10-90	35/00 35/2 35/04	55-A; E ₁	FC
167579	08-08-86	UNION OIL COMPANY OF CALIFORNIA	A method for forming a herbicidal composition.	17-11-90	59/02	55D ₂ Group-LXI(1)	FC
167596	31-08-88	TAKEDA CHEMICAL INDUSTRIES LTD.	A process for the production of stabilized agrochemical composition	17-11-90	43/54	55-D ₂ Group-XIX(1)	FC
167597	31-08-88	TAKEDA CHEMICAL INDUSTRIES LTD.	A process for producing a stabilised agrochemical composition.	17-11-90	43/54	55-D ₂ Group-XI(1)	FC.
167598	16-09-88	CENTRALEN INSTITUTE PO CHEMICHESKA PROMI SHLENOST	A process for the preparation of a novel insecticide composition for controlling harmful insects of species homoptera and thysnoptera and in particular aphids and thrips.	17-11-90	27/00	55-D ₂ & 60×(1) +(1) Groups-XIX(1) & LXVI(3)	FC.
167769	08-10-87	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	A process for the preparation of controlled release agrochemical granules.	15-12-90	25/12 25/26	55-D ₂	IC
167783	19-12-86	VITAL FORCE, INC.	A method for preservation and storage of viable materials at cryogenic temperatures.	22-12-90	1/00, 1/02	55-F; 83B ₃	FC.

A 21 : BAKING; EDIBLE DOUGHS

A 21 D : Treatment, e.g. preservation, of flour or dough, e.g. by addition of materials; Baking; Bakery products; Preservation thereof.

166719	01-02-85	NABISCO BRAND, INC.	A method of making a dough suitable for producing soft-textured baked products.	14-07-90	2/00, 8/00.	83 A ₁	FC.
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A 22 : BUTCHERING; MEAT TREATMENT; PROCESSING POULTRY OR FISH.

A 22 B : Slaughtering

166855	16-05-86	ESTABLISHMENTS ARRIVE S.A. and UNION FINANCIERE POHR LE DEVELOPMENT DE L' ECONOMIE CEREA-LIERE UNIGRAINS.	Device for holding animal carcasses. †	28-07-90	5/00	11 C	FC
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1	2	3	4	5	6	7	8
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A 22 C : Processing meat, poultry or fish

166108	16-05-86	ESTABLISHMENTS ARRIVE S.A. AND UNION FINANCI- ERE FOUR LE DE- VELOPMENT DE L'ECONOMIE CE- REALIERE UNI- GRAINS.	A carving device.	17-03-90	5/00, 17/00	11 A C	FC.
167763	06-05-87	OTTO DITLEVHAN- SEN AND BENT KRONBORG NIE- LASEN.	Apparatus for de-shelling crustaceans.	15-12-90	29/00 29/02	49-D, 49-E XV(1).	F.

A 23 : FOODS OR FOODSTUFFS; THEIR TREATMENT NOT COVERED BY OTHER CLASSES.**A 23 B : Preserving, e.g. by canning, meat, fish, eggs, fruit vegetables, edible seeds; Chemical ripening of fruit or vegetables; The preserved, ripened or canned products.**

166776	10-07-86	IMPERIAL CHEMI- CAL INDUSTRIES PLC.	A process for preparing a biocide composition having enhanced storage stable and antifreeze pro- perties.	14-07-90	9/00	55 A	FC.
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**A 23 C : Dairy products, e.g. milk, butter, cheese; Milk or cheese substitutes; Making there-
of.**

166036	30-04-87	1) INSTITUT PRO- BLEM MEKHA- NIKI AKADEMII NAUK USSR. 2) VSESOJUZNY NAUCHNOISS- LEDOVATELSKY INSTIUT KOM- PLEXNOGO IS- POLZOVANIA MOLOCHNOGO SYRYA.	Method and apparatus for drying thermosensi- tive materials.	03-03-90	1100, 21/00.	61-A;K	FC.
167637	15-07-86	SOCIETE DES PRO- DUITS NESTLE S.A.	A method of preparing particulate material.	24-11-90	1/04.	61 H, K, 185 C,E, GROUP VIII, XVIII.	FC.

**A 23 F : Coffee; Tea; their substitutes; Manu-
facture, preparation, or infusion thereof.**

165858	31-03-86	GENERAL FOODS CORPORATION.	Process for preparing a liquid coffee aroma.	27-01-90	5/46, 5/50.	185-C, 185-E, 54.	FC.
165899	25-02-86	GENERAL FOODS CORPORATION.	Process for producing an agglomerated instant coffee having a roasted and ground appearance.	03-02-90	5/2.	185-E.	FC.

1	2	3	4	5	6	7	8
166040	22-06-88	UNILEVER PLC.	Process for the preparation of a particulate tea product.	03-03-90	3/30.	185-E.	FC.
166717	29-02-88	TRADE & INDUSTRY PRIVATE LIMITED.	Improved etc. machine.	14-07-90	3/00, 3/06, 3/12.	185C & D ₂	IC.
166748	04-02-88	TRADE & INDUSTRY PRIVATE LIMITED.	Improved method of processing tea leaves and tea processor therefor.	14-07-90	3/00, 3/12.	185 A+ D ₁ 185 C.	IC.
167147	26-03-86	SOCIETEDES PRODUITS NESTLE S.A.	Process for recovery of aromas from vegetable materials such as coffee beans and tea leaves.	08-09-90	5/48, 3/42.	50-B-VII (I).	FC.
167171	14-03-86	SOCIETE DES PRODUITS NESTLE S.A.	A process for preparing a powdered tea extract.	15-09-90	3/18.	54-Group XIV(3).	FC.
167175	30-04-86	SOCIETE DES PRODUITS NESTLE S.A.	A process for the production of a Cold-water soluble instant tea	15-09-90	3/16	185-E-Group-XVIII.	FC
167364	29-02-88	TRADE & INDUSTRY PRIVATE LIMITED	Improved etc. machine	13-10-90	3/12	185-A	IC
167438	29-05-86	SOCIETE DES PRODUITS NESTLE S.A.	A method and apparatus for manufacturing agglomerated particulated comestible material such as instant coffee.	27-10-90	5/38	185-E-Group-XVIII	FC.
167471	21-04-87	TEA RESEARCH ASSOCIATION	Device for bulk storage of green tea leaves in fresh condition	03-11-90	3/00	61-B, K & 185-C.	IC
167605	10-01-89	UDAYA SHANKAR VENUTHURUMILLI	A proces for manufacturing instant tea/coffee powder.	24-11-90	3/16, 5/24	185-E, Group-XVIII.	I.
167637	15-07-86	SOCIETE DES PRODUITS NESTLE S.A.	A method of preparing particulate material	24-11-90	5/34	61-H,K, 185C, E, Group VIII, XVIII.	FC.
A 23 K : FODDER							
165819	04-11-87	INSTITUT ARMAND-FRAPPIER	A proces for preparing protien rich animal feed from biomass.	20-01-90	1/12,	83A ₂	FC.
166306	23-06-87	HOECHST INDIA LIMITED.	A proces for the preparation of novel metal complexes, of the subgroup (A) of the streptogramin B class of antibiotics.	07-04-90	1/17	11 C I(2)+ 32F ₂ b IX (1)+ 55E ₄ +XIX(1)	IC
166422	21-10-86	DR. BINOD KUMAR VARMA	A process for obtaining improved salseed cake and livestock/poultry feed supplement.	05-05-90	1/00	83A ₂	I.
166907	14-10-88	SHAM SUNDER KHANNA	An ayurvedic composition for accelerating the growth of poultry birds.	04-08-90	1/00, 1/24, 1/18.,	11 C I(2) 83A1-XIV(5)	I

1	2	3	4	5	6	7	8
166908	14-10-88	SHAM SUNDER KHANNA	An ayurvedic feed additive composition for animals to increase milk yield.	04-08-90	1/00, 1/12, 11C-1(2) 1/14, 1/16 83A ₁ , A ₂ XIV(5).		I
A 23 L : Foods, foodstuffs, or non-alcoholic beverages, not covered by subclasses A 23 B to A 23 J; Their preparation or treatment e.g. cooking, modification of nutritive qualities, physical treatment; Preservation of foods or foodstuffs, in general.							
165820	01-10-87	SOCIETE DES PRODUITS NESTLE S.A.	A method of producing a meat emulsion product	20-01-90	1/31	83A ₃	FC.
166051	15-11-85	SOCIETE DES PRODUITS NESTLE S.A.	A process for producing an instant dehydrated puree in the form of flakes from seeds of beans or lentils.	03-03-90	1/20	83A ₁	FC.
166057	22-09-87	SOCIETE DES PRODUITS NESTLE S.A.	A process and apparatus for the preparation of soluble extract with bread-like flavour.	30-03-90	1/22	83A ₁	FC.
166359	28-02-86	GENERAL FOODS INC.	A process for the preparation of an improved dry beverage mix capable, on reconstitution of providing a beverage incorporating a permanent cloud.	14-04-90	2/00	83 B ₅	FC.
166557	05-02-88	E. I. DU PONT DE NEMOURS AND COMPANY	An improved composition for feeding shrimp having prolonged stability in water and resistant to easy disintegration or dispersion in water and a process for making the same.	09-06-90	1/325	11-C	FC
166868	01-04-86	SOCIETE DES PRODUITS NESTLE S.A.	An apparatus for homogeneous heat treatment of liquids.	28-07-90	3/22	98-D-Group-VII (2)	FC
166945	17-11-84	SOCIETE DES PRODUITS NESTLE S.A.	A process for preparing a food composition	11-08-90	3/00	83-B ₅	FC.
166948	06-04-88	SOCIETE DES PRODUITS NESTLE S.A.	A process for preparing an instant drink mixture	11-08-90	2/38	17-A, 4 & 83-A, 1-XIV (2) & XIV (5)	FC
166960	23-02-88	SOCIETE DES PRODUITS NESTLE S.A.	A process for preparing food products with a sterilized aqueous suspension, containing water insoluble mineral salts.	11-08-90	3/34	83-B, 5-Group-XIV(5)	FC
167199	04-05-88	MARS G. B. LIMITED	A method for making a thermo-irreversible aqueous gel.	15-9-90	1/312	83-A ₃ -Group-XIV(5)	FC

1	2	3	4	5	6	7	8
167645	08-05-87	INDIAN INSTITUTE OF TECHNOLOGY, AMALENDU CHAKRAVERTY AND DUVVURU SUBHAKUMAR DEVADATTAM.	A process for stabilizing and storing rice bran and an apparatus therefor	01-12-90	3/00, 3/16	83-B ₂ , B ₃ , B ₆	IC, I ₁
167749	19-07-88	JUAN ANTONIO SENGURA CASTANO	A process for preparing precooked paella.	15-12-90	1/42	83-A ₁ & Group-XIV(5)	3F.

A 23 P : Shaping or working of foodstuffs, not fully covered by a single other subclass.

166225	02-05-86	HEINZ SCHAAF NACHRUNGSMITTEL-EXTRUSIONTECHNIK.	Apparatus for extruding foodstuffs.	31-03-90	1/12	83 A ₃ B ₅	FC.
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A 24 : TOBACCOS CIGARS, CIGARETTES, SMOKERS, REQUISITES

A 24B : Manufacture or preparation of tobacco for smoking or chewing: Tobacco; snuff.

166122	20-05-86	R. J. REYNOLDS TOBACCO COMPANY.	Cigarette type smoking article.	17-03-90	15/00	42-A ₂ ; D.	FC.
167256	04-07-86	PHILIP MORRIS PRODUCTS INC.	A method of manufacturing smoking tobacco with modified smoke flavour.	29-09-90	3/12	42-D-Group-XVI	FC.
167315	29-04-86	PHARMACIA LEO INC.	A nicotine dispenser for non-pyrolytic use and a method for making the same.	06-10-90	15/16	42-C-Group-XVI	FC
167527	26-07-88	JAPAN TOBACCO INC.	Apparatus for expanding material for foodstuffs, favourite items and the like.	10-11-90	11/00, 3/00	42A XVI	FC.

A 24 C : Machines for making cigars or cigarettes.

166122	20-05-86	R. J. REYNOLDS COMPANY	Cigarette type smoking articles.	17-03-90	15/00	42 A ₂ ; D	FC
167611	06-01-87	G. D. SOCIETA PER AZIONI	Device for feeding a strip paper on a dual rod cigarette manufacturing machine.	24-11-90	5/00	42 A XVI	FC

A 24 D : Cigars, Cigarettes, tobacco Smoke filters; Mouthpieces for cigars or cigarettes; Manufacture of tobacco smoke filters or mouthpieces.

167099	07-08-84	KIMBERLY CLARK CORPORATION	A smoking article	01-09-90	1/10	42 A ₂ Group XVI	FC.
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1	2	3	4	5	6	7	8
A 41 : Wearing Apparel							
A 41 D : Outwear; Protective garments; Accessories							
166163	12-06-86	FRANCOISE DOUEZ	A garment.	24-03-90	11/00	60 D	F.
A 43 : Footwear							
A 43 : B Footwear							
166425	04-11-86	GIULINI CHEMIE GMBH	A process for producing a three dimensional stiffening element.	05-05-90	23/17	21-C	FC.
A 44 : HABERDASHERY; JEWELLARY							
A 44 B : Buttons, pins, buckles, slide fasteners, or the like							
166798	18-08-87	STOPING AKTIEN GESELLSCHAFT	A sliding gate at the outlet of a vessel containing a mettalic melt.	21-07-90	19/00	33-A	FC.
A 45 : HANDOR TRAVELLING ARTICLES							
A 45 C : Purses, Travelling bags or baskets, Suitcases							
165834	21-08-85	SAMSONITE CORPORATION	Improved rotational ground engaging essembly for luggage case.	20-01-90	13/00	13D	FC
166788	26-07-88	NIRMAL PANNA LAL	A waterproof moulded luggage.	14-07-90	3/02 5/00	13-D, XL(1)	I
A 45 D : Hairdressing or shaving equipment, Manicuring or other cosmetic treatment.							
166578	23-04-86	RECKITT & COLMAN AG.	A device for permitting controlled emission of volatile substances.	09-06-90	33/16	40H	FC.
A 47 : Furniture Domestic Articles or Appliances, Coffee Mills, Spice Mills, Suction Cleaners in General.							
A 47 B : Tables, Desks, Office furniture, Cabinets, Drawers, General details of furniture.							
166977	22-07-88	EARL BIHAR PVT. LTD.	Improved drawer slides.	11-08-90	88/04, 88/10, 88/18.	86ALXVI (4)	IC.
166999	16-06-88	THE RAJA BAHADUR MOTILAL POONA MILLS LTD.	An improved stand for use in a drafting machine.	18-08-90	27/06, 27/14, 27/08, 27/18.	146BXXX VIII(2) 86E-LXVI (4)	IC.
167542	17-06-86	ARULDOSS PATRICK, TRADING AS SPACEWAY DESIGN INDUSTRIES.	A heavy duty adjustable racking system.	10-11-90	57/00	86E- GROUP LXVI(4)	I

1	2	3	4	5	6	7	8
A 47 C : Chairs, Sofas, Beds.							
167328	04-06-87	APPAN PARAMBATH ABOOBACKER.	A modern relief cot.	06-10-90	19/04	128-B GROUP XIX(2).	I.
167576	16-12-86	ILLIPARAMBIL MANUEL JOS.	A combined bookshelf, chair and stepladder.	17-11-90	13/00, 15/00.	86A, B & E GROUP LXVI(4)	I.
167711	20-09-85	GORDON DOUGLAS GRIFFIN.	A support device for body support appliances.	08-12-90	7/00.	86-B-GROUP LXVI(4).	F.
A 47 G : Household or table equipment.							
165883	20-01-87	MICHAEL SPARLING.	Inter connectable beverage container system.	03-02-90	29/00	99-B	F.
166104	01-04-86	MECHANICAL PLASTICS CORPORATION.	Expansible plastic fastener for securement within an opening.	17-03-90	29/00, 29/02.	76-E	FC.
167032	10-07-86	ERBLOK ASSOCIATES.	Multiple hook fastener media method & apparatus for making the same.	18-08-90	25/00, 29/00	76 B E F, 138 B C.	FC.
167295	16-02-87	MANOHAR PALSULE DESAI.	Bowl-shaped plastic dish for use in Microwave ovens.	06-10-90	19/02	183LXVI (8)	F.
167746	22-07-86	(1) KADAVIL MATHEW ANTONY. (2) MATHEW ANTONY.	A method of manufacturing polymer based brush mats of woven type and non-woven type simultaneously.	15-12-90	27/00.	155-B-GROUP-XXIII.	I.
A 47 J : Kitchen equipment; Coffee mills, Spice mills, Implements for use in connection with cooking or heating stoves.							
166285	06-07-87	PRABHAT KUMAR.	A cooking apparatus.	07-04-90	27/00.	99A	I.
166310	21-08-87	HAWKINS COOKERS LTD.	Improvements in or relating to pressure regulating system and pressure cooker having the same.	07-04-90	27/09	49—HXV (1)	IC.
166577	18-03-86	VIJAY BALRAM RAMNANI.	An improved tiltable wet grinder.	09-06-90	42/38	94G	I.
167529	04-01-89	EAGLE FLASK INDUSTRIES PRIVATE LIMITED.	An improved cooking device.	10-11-90	39/00, 27/086.	97D+H LIX-(2)	IC.
167747	06-08-86	ALFA INSTITUT FÜR HAUSWIRTSCHAFTLICHE PRODUKT-UND VERFAHRENTS-ENTWICKLUNG GMBH.	A cooking vessel.	15-10-90	27/086	97-D GROUP-LIX(2)	FC.

1.	2.	3.	4.	5.	6.	7.	8.
A 47 K : Sanitary equipment not otherwise provided for ; Toilet accessories.							
167798	16-07-86	GUALA S.p.A.	A dispenser of generic paste products and specifically toothpaste.	22-12-90	5/00	189-GROUP-LXVI(9)	FC.
A 47 L : Domestic washing or cleaning ; Suction cleaners in General.							
166030	09-01-86	FLAKT AKTIEBOLAG.	A discharge electrode.	03-03-90	13/40	194L	FC.
167044	19-02-86	HIRAYAMA SETSUBI KABUSHIKI KAISA.	A cleaning unit for making a clean room.	25-03-90	89/18.	6-A ₂ -GROUP-XLVII(1)	FC.
A 61 : MEDICAL OR VETERINARY SCIENCE; HYGIENE.							
A 61 B : Diagnosis; Surgery; Identification.							
166275	23-09-85	QUANTUM DIAGNOSTICS LTD.	Apparatus for analyzing an object using converging interference fringes.	07-04-90	6/00.	126A	FC.
166912	09-07-86	LEIF NILSON.	A urine-collecting container for taking urine from the urinary bladder of bedridden patients.	04-08-90	1/00.	128G	F.
167013	20-08-86	VIVER MULL	A suction bottle for secretion of fluid from a wound.	18-08-90	5/00, 17/00.	128G & 179G	I.
167125	19-03-87	JOTHI ABRAHAM MUTHIAH PANDIAN.	An adapter for the probe of a cryosurgical unit for use in cataract operation of the eye.	01-09-90	19/00.	128G & 128K-GROUP-XIX(2).	I.
167570	06-03-85	TRYLON ASSOCIATES LTD.	An endoscopic device.	17-11-90	1/00, 1/30.	128-K	FC.
167657	10-11-88	(1) COSTAS A. DIAMANTOPOULOS, (2) ALEX P. ALEXANDROU.	Device for biostimulation of human/animal tissues.	01-12-90	6/00.	97-G	F.
A 61 C : Dentistry; Oral or dental hygiene.							
166809	16-11-87	PRIYAL KHANDE RAO KULKARNI AND VIJAY PRIYAL KULKARNI.	Flexible U. shaped clip bandage for medication of human teeth and gums.	21-07-90	5/00, 5/02.	128A	I.
167391	04-07-86	AXEL KIRSCH.	Enossal implant.	20-10-90	8/00.	128-B, GROUP-XIX(2).	F.
A 61-D : Veterinary instruments, implements, tools or methods.							
167843	26-09-86	DABHIR BALAKRISHNA RAO.	An applicator to suture the operated edges in the veterinary practices.	29-12-90	1/00.	133K-GROUP-XIX(2)	I.

1.	2.	3.	4.	5.	6.	7.	8.
A 61 F : Prostheses; Orthopaedic or nursing appliances; Contraceptive devices; Fomentation; Treatment or protection of eyes or ears; Bandages.							
166615	16-09-86	CHATTAN NOMINEES PTY. LTD.	A device for collecting fluid discharge from the uterus composed of flexible material to be positioned entirely within a human female vagina and an one piece applying instrument for positioning the said device.	16-06-90	5/455	128-F,G, H.	FC.
166693	14-02-86	CABOT CORPORATION.	Earplugs.	30-06-90	11/02	128G.	FC.
166756	27-03-86	(1) JACKIE ANDRE DE RUYTER. (2) JEAN PIERRE DE RUYTER. (3) DANIEL DURGER.	Cutting appliance for use in cutting average width bands or strips of woven super-imposed fabric or composite fibre materials.	14-07-90	15/00, 15/02.	128A, 52A.	F.
166963	16-05-86	(1) JITENDRA BEHARI AND (2) VED PRAKASH ARYA.	Apparatus for bone stimulation.	11-08-90	5/00, 5/01.	128-F.	I.
167125	19-03-87	JOTHI ABRAHAM MUTHIAH PANDIAN	An adapter for the probe of a cryosurgical unit for use in cataract operation of the eye.	01-09-90	9/00	128-G & K. GROUP- XIX(2).	I.
167706 Additional to Patent No. 159244.	30-09-87	SREE CHITRA TIRU- NAL INSTITUTE FOR MEDICAL SCIENCES & TECH- NOLOGY. (146/Mas/84).	An improved heart valve assembly.	08-12-90	2/24	128-G- GROUP- XIX(2)	IC.

A 61 G : Transport or accommodation for patients, Operating tables or Chairs : chairs for dentistry, Bariat devices.

166438	26-08-86	DRAGERWERK AKTIENGESELLS- CHAFT	Incubator for premature and newborn babies.	05-05-90	11/00	128-M, XIX(2)	FC.
166682	01-05-86	LATSZERESZETI ESZKOZOK GYARA	A supporting assembly for mounting vibration sensitive instruments in a sight-testing bus.	30-06-90	3/00.	134-C, 174-B.	FC.

1.	2.	3.	4.	5.	6.	7.	8.
A 61 J : Putting-up pharmaceutical products; Devices for administering food or medicines orally; Baby comforters; Devices for receiving spittle.							
166879	05-05-89	1. SMT. SURANJANA ROY.	Method of preparing controlled release delivery matrix.	28-07-90	3/00, 3/06, 3/07, 3/08, 3/10.	40F	I.
A 61 K : Preparations for medical, dental, or toilet purposes.							
165830	27-11-87	BIOTECHNOLOGY AUSTRALIA PTY. LTD. COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION.	Process for the preparation of a recombinant DNA molecule.	20-01-90	37/00	32C, 55E2	FC.
165831	31-05-85	CHESEBROUGH-POND'S INC.	Nail polish compositions.	20-01-90	7/04	189	FC.
165867	27-03-86	FIDIA S.p.A.	A process for the preparation of pharmaceutically active hyaluronic acid salts.	03-02-90	35/00	55 ₂ E ₄	FC.
165868	31-03-86	DEGUSSA AKTIENGESELLSCHAFT.	A process for the production of camomile drug from tetraploid and bisabololrich camomile of improved quality.	03-02-90	7/00	55E ₄	FC.
165927	04-02-88	MCNEILAB INC.	Process and apparatus for producing gelatin coated caplets.	10-02-90	9/48	55-E ₄	FC.
165929	17-03-88	MCNEILAB INC.	Process for preparing and ibuprofen sustained release shaped and compressed tablet.	10-20-90	9/22	55-E ₄	FC.
165945	27-05-87	PASTEUR VACCINE.	A process for the preparation of an antigenic fraction intended to be used as the active principle in an oral cholera vaccine.	17-02-90	39/00	55-E ₄	FC.
165975	16-06-86	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH	An improved process for the preparation of L-N-PROPYL-3, 4-DIHYDRO-P-CARBOLINE.	17-02-90	31/475	32F ₂ b	IC.
165985	12-06-86	SANSHO SEIYAKU CO. LTD.	A process for preparing preventive drugs for elastosis.	17-02-90	23/00, 27/00.	55E ₂ -E ₄	FC.
166039	09-02-89	1. NIRANJAN KUMAR SEN AND 2. KRISHNA KANTA SEN.	Method of preparation of a medicinal composition for the treatment of cancer.	03-03-90	45/00	55-E ₄	I.

1.	2.	3.	4.	5.	6.	7.	8.
166058	26-06-85	DEUTSCHES AUS-SATZIGEN-HILFS-WERK, E.V.	A method for preparing a drug composition to combat infectious disease.	03-03-90	31/10, 31/135.	55E ₄	FC.
166103	25-30-86	COLGATE-PALMO-LIVE COMPANY.	A dentifrice composition.	17-03-90	7/16.	189	FC.
166119	01-10-87	HINDUSTAN LEVER LIMITED.	Method of preparing a two part oral preparation	17-03-90	7/16, 7/18.	189-LXVI (9)+39G-III.	IC.
166153	09-01-87	HINDUSTAN LEVER LIMITED.	An aqueous shampoo.	24-03-90	7/075	170-XLIII (4) 189-LXVI(9).	IC.
166154	24-03-88	HOECHST INDIA LIMITED.	A method of making a novel antimalarial composition.	24-03-90	31/00, 31/18, 31/49.	55E ₄	IC.
166192	30-06-87	SATYA RANJAN DAS.	Method of preparing methlamine gas dissolved in water.	24-03-90	45/00,	32F ₂ C, 55E ₂ .	I.
166199	08-07-88	1. MRS. KRISHNA DAS AND 2. TUSHAR KANTI DAS.	Improvements in or relating to vegetal oral contraceptive.	24-03-90	35/00	55-E ₄	I.
166205	27-07-87	HINDUSTAN LEVER LIMITED.	Process for the manufacture of an aqueous single phase composition particularly for use in the treatment of keratinuous fibres.	31-03-90	7/13	189-LXVI (9)	IC.
166209	07-11-88	HOECHST INDIA LIMITED.	A process for the production of a novel antibiotic complex called cammu-nocin from a new strain of STREPTOMYCES species culture No. HIL Y-84, 36210 or its variants or mutants.	31-03-90	37/02	32-C-IX (1)+55E ₁ , XIX(1).	IC.
166302	10-03-87	HINDUSTAN LEVER LIMITED.	Composition suitable for topical application to human skin.	07-04-90	7/06	32F ₂ (b) IX(1)+189-LXVI.	IC.
166306	23-06-87	HOECHST INDIA LIMITED.	A process for the preparation of novel metal complexes, of the sub-group(A) of the streptogramin B class of antibiotics.	07-04-90	31/00 31/435	11 C I(2) +32F ₂ b IX(1)+55E ₄ -XIX(1)	IC.
166368	31-01-86	LABORATORIEN HAUSMANN AG.	Process for the preparation of all-cis-1, 3,5-triamino-2, 4, 6-cyclohexantrol derivatives.	21-04-90	27/00	32F ₂ ; 55E ₄	FC.
166391	04-10-85	BEECHAM INC.	A dentifrice composition.	28-04-90	7/16	189	FC.
166428	12-11-86	PHILLIPS PATRO-LEUM COMPANY	Process for preparing heppatitis B surface antigen	05-05-90	39/29	55E ₄	FC.

1.	2.	3.	4.	5.	6.	7.	8.
166447	28-10-86	ETHICON, INC	Method for the preparation of a sterile composition in the form of micro capsules.	12-05-90	9/50	55-E ₂	FC.
166481	31-12-86	COLGATE PALMOLIVE COMPANY	A method for preparing a stable single dose oral product.	19-05-90	7/16	189 & 55F	FC.
166486	04-12-85	THE B. F. GOODRICH COMPANY.	Toilet soap containing polymeric thickener.	19-05-90	7/00	189	FC.
166518	14-08-86	COLGATE-PALMOLIVE COMPANY.	A dental cream.	19-05-90	6/00	189LXVI (9)	FC.
166546	01-06-87	EUROCELTQUE, S.A.	Process for preparing extended action control release pharmaceutical composition for oral administration.	02-06-90	9/52	32-E, 55-E & 152-F	FC.
166560	20-06-88	MCNEILAB, INC.	A process of preparing an acetaminophen-sustained release shaped and compressed tablet.	09-06-90	9/20	55-E ₄	FC.
166586	30-06-86	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A process for the preparation of phenyl hydrozone acetoacetamide derivatives.	09-06-90	31/16	32F; 32-F ₂ (a), 55-E ₂	IC.
166740	11-09-87	THE DIRECTOR, CENTRAL COUNCIL FOR RESEARCH IN AYURVEDA & SIDDHA.	A process for the preparation of a medicated oil from wrightia tinctoria.	14-07-90	35/78	55-E ₂	I.
166787	26-07-88	HINDUSTAN LEVER LIMITED.	Humectants for skin treating composition.	14-07-90	7/40, 7/48, 31/045.	189 LXVI(9)	IC.
166796	04-08-87	FIDIA, S.P.A.	Process for the preparation of neuronotrophic factor.	21-07-90	37/00	55-E ₃	FC.
166808	16-11-88	HOECHST INDIA LIMITED.	A process for the production of a new antifungal antibiotic named isobongkretic acid from an eubacterium (culture No. HOECHST INDIA LIMITED Y-84,0700) or its variants or mutants.	21-07-90	31/19, 31/21, 31/71.	32F ₃ (b) IX(1) + 55E ₂ +E ₄ XIX(1)	IC.
166833	23-10-86	CADBURY SCHWEPES PROPRIETARY LIMITED.	Method of manufacturing dry composition suitable for use in water to reduce bacterial content.	21-07-90	31/19, 45/00.	201-C, 55-E ₄	FC.
166870	20-05-86	BIOGAL GYOGYSZERGYAR.	An improved process for preparing therapeutically useful dextran grain polymers.	28-07-90	31/735	55-E ₄ -XIX(1)	F.

1	2	3	4	5	6	7	8
166888	09-07-85	HANS ADOLF SCHAEFFER.	A process for preparing a dental composition useful in combating gum disease.	04-08-90	7/20	55-E ₂ , 189	F.
166889	09-07-85	HANS ADOLF SCHAEFFER.	A process for preparing a dental composition useful in combating gum disease.	04-08-90	7/20	55-E ₂ , 189	F.
166902	14-03-88	HINDUSTAN LEVER LTD.	A toothpaste.	04-08-90	7/16	189-LXVI (9)	IC
166946	28-03-88	APPLIED MEDICAL RESEARCH LTD.	Process for preparing a contraceptive composition which is effective in preventing breast cancer.	11-08-90	31/40, 31/56.	55-E ₄ -XIX(1)	FC.
166979	21-12-87	HINDUSTAN LEVER LIMITED.	Hairgrowth promoting cosmetic composition for applying to mammalian skin or hair.	11-08-90	7/06	189-LXVI (9)	IC.
166998	04-05-88	CIPLA LTD.	A method for the manufacture of a pharmaceutical composition of 'GUGULIPID' (A natural oily oleoresinous substance) in solid dosage form.	18-08-90	31/705	55-E ₄ XIX(1)	IC.
167014	22-08-86	COLGATE-PALMOLIVE COMPANY.	Dentifrice composition and method of preparing the same.	18-08-90	7/18	55-E ₂	FC.
167015	22-08-86	COLGATE-PALMOLIVE COMPANY.	Dentifrice composition and method of preparing the same the.	18-08-90	7/18	55-E ₂	FC.
167052	17-04-86	CIBA-GEIGY AG.	A process for the manufacture of an ophthalmic comfort drop solution for contact lens wearers.	25-8-90	31/00	55-F-GROUP-XIX(1)	FC.
167063	18-12-87	HINDUSTAN LEVER LTD.	Cosmetic composition for topical application to mammalian skin or scalp	25-08-90	7/06	189-LXVI (9)	IC.
167103	01-07-87	SUOMENCALCUSAN OY-FINSKA CALCUSAN AB.	Process for the preparation of a mouthwash solution.	01-09-90	7/16	55-E ₂	FC.
167137	09-06-88	HINDUSTAN LEVER LIMITED.	Cosmetic composition for topical application to mammalian skin.	01-09-90	7/00, 7/48	55E ₂ -XIX(1), 189-LXVI(9)	IC.
167221	08-04-86	(1) RAM PRAKASH ANEJA. (2) NATIONAL DAIRY DEVELOPMENT BOARD.	A process for preparing a vaccine against the illeriosis in cattle.	22-09-90	39/00, 39/018.	55E-1; E4	I, IC.

1	2	3	4	5	6	7	8
167498	20-09-87	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A process for the isolation of novel anti-diabetic ionositol monomethyletten from boucainvillaea spectabilis.	10-11-90	35/00	32 C-IX (1)	IC.
167521	24-07-87	HOECHST INDIA LTD.	A process for the preparation of pharmacologically active novel acyl labdane derivatives.	10-11-90	27/00	32 F1. IX(1)	IC.
167523	21-09-88	HINDUSTAN LEVER LTD.	Toothpaste.	10-11-90	7/16	189-LXVI(a)	IC.
167526	09-06-88	HINDUSTAN LEVER LTD.	Method for the preparation of oral compositions which inhibits the formation of dental calculus.	10-11-90	6/00, 71/6	189-LXVI(9)	IC
167528	19-08-88	HINDUSTAN LEVER LTD.	Process for the preparation of a toothpaste.	10-11-90	7/16	189-LVI(9)	IC.
167549	02-08-88	STATE OF ISRAEL, REPRESENTED BY THE PRIME MINISTER'S OFFICE THE ISRAEL INSTITUTE FOR BIOLOGICAL RESEARCH.	A method of making a pharmaceutical composition for treatment of diseases of central nervous system.	10-11-90	31/395	55-E.4 GROUP -XIX(2).	FC
167607	06-09-88	CENTRO NATIONAL DE BIOPREPARADOS.	A method for obtaining a vaccine against the different pathogenic serotypes of group B neisseria meningitidis.	24-11-90	39/00	55 E-1-GROUP XIX(1).	FC.
167740	17-11-87	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.	A process for the preparation of an antiserum highly specific to estradiol.	15-12-90	31/16, 37/02.	55-E1.	IC.
167830	07-07-89	DR. RAJANI KANTA SARKAR	Medicine for curing or preventing bad effect dog bite on humans or animals.	29-12-90	35/78	55-E ₁ ; E4.	I.
A 61 L : Methods or apparatus for sterilising materials or objects in general ; Disinfection, sterilisation, or deodorisation of air; Chemical aspects of bandages; dressings, or surgical articles; Materials for bandages; dressings or surgical articles.							
166447	28-10-86	ETHICON, INC.	Method for the preparation of a sterile composition in the form of micro capsules.	12-05-90	15/00	55-E ₂	FC.
166535	03-02-87	FOXTECH PTY. LTD.	A steam sterilizer.	26-50-90	2/06	55-B ₂	FC.
167230	28-06-88	BICON OY.	Self reinforced absorbable device or their parts or components for surgical fixation of damaged and/or operated tissues.	22-09-90	17/00, 33/00.	128-K	FC.

1	2	3	4	5	6	7	8
A 61 M : Devices for introducing media into or onto the body; Devices for transducing body media or for taking media from the body.							
165850	04-07-86	HABLEY MEDICAL TECHNOLOGY CORPORATION.	Improvements in or relat- ing to gastro in testinal sphincter for surgical implantation.	27-01-90	3/00, 23/00, 29/00	128K	FC.
165891	28-01-86	C.R. BARND, INC.	Catheter for removing biological material parti- cularly from blood vessels by laser energy.	03-02-90	25/00	128G	FC.
166558	19-04-88	ZEDLANI PTY. LIMITED.	An intravaginal device for controlling urinary in- continence.	09-06-90	29/00	128-H,	FC.
166615	16-09-86	CHATTAN NOMINE- ES PTY. LTD.	A device for collecting ing fluid discharge from the uterus composed of flexible material to be positioned entirely within a human female vagina and an one piece appli- cating instrument for positioning the said device.	16-06-90	31/00	128-F, G, H.	FC.
166726	30-11-87	VIVEK, MULL, CHANDRA AGRO PVT. LTD.	A flow control device for controlling flow of a liquid dispensed intra- venously in metered quantities.	14-07-90	5/00	128-F	I.
166857	09-07-86	LEIF NILSSON.	A catheter.	28-07-90	25/00	128 G	F.
167200	05-07-88	JACQUES VERLIER.	A syringe capable of being used only as a prefilled syringe.	15-09-90	5/18, 5/32.	128-F- GROUP -XIX(2)	F.
A 61 N : Electrotherapy; Magnetotherapy, Radiation therapy.							
165998	19-03-86	JEI CHUNG CHOI	Therapeutic heating apparatus for use in treating portions of the human body.	24-20-90	1/00	128G	F.
A 62 : LIFE-SAVING; FIRE-FIGHTING.							
A 62 B : Devices, apparatus, or methods for life-saving.							
166025	13-11-85	AVON INDUSTRIAL POLYMERS LTD.	A respirator.	03-03-90	9/02	128-I	FC.
167090	04-03-86	SIEBE GORMAN & COMPANY LTD.	A purifier for a breathing apparatus.	25-08-90	7/00	88-B & D-XXXII (3)	FC.
167287	08-10-87	NORMALAIR-GAR- RETT (HOLDINGS) LIMITED.	Low pressure breathing regulators.	29-09-90	7/00	128-I- GROUP- XIX(2).	FC.

1	2	3	4	5	6	7	8
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A 63 : SPORTS; GAMES; AMUSEMENTS.**A 63 B : Apparatus for physical training, gymnastics, swimming, climbing or fencing; Ball games; Training equipment.**

166301	29-01-87	PESTONJI JAL PADSHAH.	An improved physical exercise device for strengthening and developing the muscles of the body.	07-04-90	21/32	87-A- XLII-(4)	I.
167679	24-11-86	UPPINANGADY VARADARAYA NAYAK.	An attachment device particularly suited for climbing substantially vertical members such as a pole or stem.	08-12-90	27/02	5-D- GROUP-I (I)	I.

A 63 C : Skates; Skis; Water-shoes; Roller skates; Courts : Rinks.

165984	22-08-86	RAM KRISHNA GHOSE.	Amphibious or hydro-static shoe.	17-02-90	15/00	166-B	I.
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A 63 F : Card, board, or roulette games; Indoor games using small moving playing bodies; Miscellaneous games.

166159	11-11-87	MEETHALE MADATHIL SASI	A toy	24-03-90	9/12	87-I	I.
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A 63 H: Toys, e.g. tops, dolls, hoops, building blocks.

166725	13-08-86	LEGO A/S.	A toy.	14-07-90	33/08, 33/12	87-D-I	FC.
166928	10-01-87	THIRUGNANASUN- DARAM SIVA SUBRAMANIAM.	Electrically operated flying model toy aeroplane.	04-08-90	27/00	87-I- XLIV(4)	I.
167683	12-02-87	INTERLEGO AG.	Toy track for toy vehicles.	08-12-90	18/00	87-E	FC.

Note:—Classified list of the Complete Specification under other "Sections" will be published in due Course.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration of the design included in the entry.

Class 1. No. 163513. Michael Zachery Schachter, an American of 45, Scott Drive, Watchung, New Jersey-07060, U.S.A. "Diamond for Jewellery". August 12, 1991.

Class 1. Nos. 163514 to 163516. Michael Zachery Schachter, an American of 45, Scott Drive, Watchung, New Jersey-07060, U.S.A. "Diamond for Jewellery". August 12, 1991.

Class 1. No. 163572. Kantilal Ranchandbhai Makwana of Mittal Industrial Estate, Ajay Bldg., Gala No. 14, 84 M. V. Road, Andheri (E), Bombay-400059, Maharashtra, India. "Toilet Stand". September 4, 1991.

Class 1. No. 163584. Wellman Wacoma Ltd., Indian Company of "Tata Centre", Ground Floor, 43, Chowringhee Road, Calcutta-700071, W.B., India. "Contra flow separator for coal". September 10, 1991.

Class 1. No. 163627. Consultants and Engineers Enterprises, a proprietary concern of 513, Sector 7, Urban Estate, Gurgaon-122001 (Haryana), India. "Car locking device". September 27, 1991.

Class 1. Nos. 163962 & 163963. Shambhu Nath & Brothers, Indian Partnership Firm of 47, Biplabi Anukul Chandra Street, Calcutta-700072, W.B., India. "Fan". December 30, 1991.

Class 3. Nos. 163300. L. V. Sham Cottage Industries, 2292/2, Inside Gate Hakiman, Amritsar-143001, Punjab, India, Indian Partnership Concern. "Torch". June 10, 1991.

Class 3. No. 163395. Intouch Plastics, Partnership Firm, of 20, Nand Deep Industrial Estate, Kondivita Lane, Off Andheri Kurla, Andheri (East), Bombay-400059, Maharashtra, India. "Compass cum Pencil". July 10, 1991.

Class 3. No. 163419. Genesis Chempest Pvt. Ltd., Indian Company, at 501, Sea Side Apts, Greenfields, Juhu, Bombay-400049, Maharashtra, India. "Heating device for mosquito repelling mats". July 19, 1991.

Class 3. No. 163531. Ethnor Limited of 30, Forjett Street, Bombay-400036, Maharashtra, India. "Bottle". August 20, 1991.

Class 4. No. 163249. McDowell & Co. Ltd., Indian Company of 3 Second Line Beach, P.O. Box No. 36, Madras-600001. T.N., India. "Bottle". May 15, 1991.

Class 4. No. 163560. Vijay Ganesh Joglekar, Indian National of C-5, M.I.D.C., Kherdi, Taluka Chiplun-415604, Dist. Ratnagiri, Maharashtra, India. "Stove". September 2, 1991.

Class 12. Nos. 163950 to 163953. Munch Food Products Pvt. Ltd. of D-992, New Friends Colony, New Delhi-110065, India. "Chocolate". December 27, 1991.

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Nos. 162116, 157894, 157773, 158374, 158999, 158386, 160734, 157882, 164481.—Class 3.

Nos. 157883 and 157540.—Class 1.

Copyright extended for the 3rd period of five years.

Nos. 162116, 157894, 157773, 160734 & 164481.—Class 3.

R. A. ACHARYA

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